BegoÃ±a Garcia-Alvarez

List of Publications by Year
in descending order

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26	1,898	567281 15	677142 22
papers	citations	h-index	g-index

27	27	27	2181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The highly packed and dehydrated structure of preformed unexposed human pulmonary surfactant isolated from amniotic fluid. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L191-L203.	2.9	1
2	Role of pulmonary surfactant protein Sp-C dimerization on membrane fragmentation: An emergent mechanism involved in lung defense and homeostasis. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183572.	2.6	8
3	Novel Bifunctional Acylase from Actinoplanes utahensis: A Versatile Enzyme to Synthesize Antimicrobial Compounds and Use in Quorum Quenching Processes. Antibiotics, 2021, 10, 922.	3.7	6
4	Biophysical and biological impact on the structure and IgE-binding of the interaction of the olive pollen allergen Ole e 7 with lipids. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183258.	2.6	9
5	Air Space Distension Precedes Spontaneous Fibrotic Remodeling and Impaired Cholesterol Metabolism in the Absence of Surfactant Protein C. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 466-478.	2.9	22
6	Protein and lipid fingerprinting of native-like membrane complexes by combining TLC and protein electrophoresis. Journal of Lipid Research, 2019, 60, 430-435.	4.2	4
7	Divide & Conquer: Surfactant Protein SP-C and Cholesterol Modulate Phase Segregation in Lung Surfactant. Biophysical Journal, 2017, 113, 847-859.	0.5	24
8	Effect of Lung Surfactant Protein SP-C and SP-C-Promoted Membrane Fragmentation on Cholesterol Dynamics. Biophysical Journal, 2016, 111, 1703-1713.	0.5	30
9	A model for the structure and mechanism of action of pulmonary surfactant protein B. FASEB Journal, 2015, 29, 4236-4247.	0.5	50
10	Palmitoylation as a key factor to modulate SP-Câ€“lipid interactions in lung surfactant membrane multilayers. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 184-191.	2.6	21
11	Palmitoylation as a Key Factor to Understand Sp-C-Lipid Interactions in the Lung Surfactant System. Biophysical Journal, 2014, 106, 513a.	0.5	0
12	Functional and Structural Characterization of Pulmonary Surfactant Protein SP-C in Nanodiscs: A Nanotechnological Approach. Biophysical Journal, 2014, 106, 516a.	0.5	0
13	Structureâ€“function correlations of pulmonary surfactant protein SP-B and the saposin-like family of proteins. European Biophysics Journal, 2013, 42, 209-222.	2.2	69
14	Effect of Cholesterol and Palmitoylation on the Structure, Orientation and Lipid-Protein Interactions of Pulmonary Surfactant Protein SP-C. Biophysical Journal, 2013, 104, 63a-64a.	0.5	0
15	Structural and Functional Characterization of Native Complexes of Pulmonary Surfactant Proteins Purified with Detergents. Biophysical Journal, 2012, 102, 625a-626a.	0.5	1
16	Flexible tethering of primase and DNA Pol Â in the eukaryotic primosome. Nucleic Acids Research, 2012, 40, 4726-4726.	14.5	0
17	Flexible tethering of primase and DNA Pol Î± in the eukaryotic primosome. Nucleic Acids Research, 2011, 39, 8187-8199.	14.5	72
18	Molecular Architecture and Structural Transitions of a Clostridium thermocellum Mini-Cellulosome. Journal of Molecular Biology, 2011, 407, 571-580.	4.2	28

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19	Molecular and structural basis of polo-like kinase 1 substrate recognition: Implications in centrosomal localization. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3107-3112.	7.1	104
20	Structure of TOR and Its Complex with KOG1. Molecular Cell, 2007, 27, 509-516.	9.7	69
21	Crystallization and preliminary X-ray diffraction studies on the human Plk1 Polo-box domain in complex with an unphosphorylated and a phosphorylated target peptide from Cdc25C. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 372-375.	0.7	5
22	Characterization of an Actin-binding Site within the Talin FERM Domain. Journal of Molecular Biology, 2004, 343, 771-784.	4.2	87
23	Structural and Functional Analysis of the Actin Binding Domain of Plectin Suggests Alternative Mechanisms for Binding to F-Actin and Integrin Î²4. Structure, 2003, 11, 615-625.	3.3	92
24	Structural Determinants of Integrin Recognition by Talin. Molecular Cell, 2003, 11, 49-58.	9.7	475
25	Integrin Â cytoplasmic domain interactions with phosphotyrosine-binding domains: A structural prototype for diversity in integrin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2272-2277.	7.1	379
26	The Phosphotyrosine Binding-like Domain of Talin Activates Integrins. Journal of Biological Chemistry, 2002, 277, 21749-21758.	3.4	341