

# Begoña Garcia-Alvarez

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,898  
citations

567281

15  
h-index

677142

22  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2181  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Determinants of Integrin Recognition by Talin. <i>Molecular Cell</i> , 2003, 11, 49-58.	9.7	475
2	Integrin $\alpha$ cytoplasmic domain interactions with phosphotyrosine-binding domains: A structural prototype for diversity in integrin signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 2272-2277.	7.1	379
3	The Phosphotyrosine Binding-like Domain of Talin Activates Integrins. <i>Journal of Biological Chemistry</i> , 2002, 277, 21749-21758.	3.4	341
4	Molecular and structural basis of polo-like kinase 1 substrate recognition: Implications in centrosomal localization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 3107-3112.	7.1	104
5	Structural and Functional Analysis of the Actin Binding Domain of Plectin Suggests Alternative Mechanisms for Binding to F-Actin and Integrin $\beta$ 4. <i>Structure</i> , 2003, 11, 615-625.	3.3	92
6	Characterization of an Actin-binding Site within the Talin FERM Domain. <i>Journal of Molecular Biology</i> , 2004, 343, 771-784.	4.2	87
7	Flexible tethering of primase and DNA Pol $\delta$ in the eukaryotic primosome. <i>Nucleic Acids Research</i> , 2011, 39, 8187-8199.	14.5	72
8	Structure of TOR and Its Complex with KOG1. <i>Molecular Cell</i> , 2007, 27, 509-516.	9.7	69
9	Structure-function correlations of pulmonary surfactant protein SP-B and the saposin-like family of proteins. <i>European Biophysics Journal</i> , 2013, 42, 209-222.	2.2	69
10	A model for the structure and mechanism of action of pulmonary surfactant protein B. <i>FASEB Journal</i> , 2015, 29, 4236-4247.	0.5	50
11	Effect of Lung Surfactant Protein SP-C and SP-C-Promoted Membrane Fragmentation on Cholesterol Dynamics. <i>Biophysical Journal</i> , 2016, 111, 1703-1713.	0.5	30
12	Molecular Architecture and Structural Transitions of a <i>Clostridium thermocellum</i> Mini-Cellulosome. <i>Journal of Molecular Biology</i> , 2011, 407, 571-580.	4.2	28
13	Divide & Conquer: Surfactant Protein SP-C and Cholesterol Modulate Phase Segregation in Lung Surfactant. <i>Biophysical Journal</i> , 2017, 113, 847-859.	0.5	24
14	Air Space Distension Precedes Spontaneous Fibrotic Remodeling and Impaired Cholesterol Metabolism in the Absence of Surfactant Protein C. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 62, 466-478.	2.9	22
15	Palmitoylation as a key factor to modulate SP-C-lipid interactions in lung surfactant membrane multilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 184-191.	2.6	21
16	Biophysical and biological impact on the structure and IgE-binding of the interaction of the olive pollen allergen Ole e 7 with lipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183258.	2.6	9
17	Role of pulmonary surfactant protein Sp-C dimerization on membrane fragmentation: An emergent mechanism involved in lung defense and homeostasis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183572.	2.6	8
18	Novel Bifunctional Acylase from <i>Actinoplanes utahensis</i> : A Versatile Enzyme to Synthesize Antimicrobial Compounds and Use in Quorum Quenching Processes. <i>Antibiotics</i> , 2021, 10, 922.	3.7	6

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19	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. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 372-375.	0.7	5
20	Protein and lipid fingerprinting of native-like membrane complexes by combining TLC and protein electrophoresis. <i>Journal of Lipid Research</i> , 2019, 60, 430-435.	4.2	4
21	Structural and Functional Characterization of Native Complexes of Pulmonary Surfactant Proteins Purified with Detergents. <i>Biophysical Journal</i> , 2012, 102, 625a-626a.	0.5	1
22	The highly packed and dehydrated structure of preformed unexposed human pulmonary surfactant isolated from amniotic fluid. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 322, L191-L203.	2.9	1
23	Flexible tethering of primase and DNA Pol $\beta$ in the eukaryotic primosome. <i>Nucleic Acids Research</i> , 2012, 40, 4726-4726.	14.5	0
24	Effect of Cholesterol and Palmitoylation on the Structure, Orientation and Lipid-Protein Interactions of Pulmonary Surfactant Protein SP-C. <i>Biophysical Journal</i> , 2013, 104, 63a-64a.	0.5	0
25	Palmitoylation as a Key Factor to Understand Sp-C-Lipid Interactions in the Lung Surfactant System. <i>Biophysical Journal</i> , 2014, 106, 513a.	0.5	0
26	Functional and Structural Characterization of Pulmonary Surfactant Protein SP-C in Nanodiscs: A Nanotechnological Approach. <i>Biophysical Journal</i> , 2014, 106, 516a.	0.5	0