

# Ariel Roldan

## List of Publications by Year in descending order

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25  
papers

1,502  
citations

567281

15  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1585  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism-based corrector combination restores $\Delta F508$ -CFTR folding and function. <i>Nature Chemical Biology</i> , 2013, 9, 444-454.	8.0	361
2	Correction of Both NBD1 Energetics and Domain Interface Is Required to Restore $\Delta F508$ CFTR Folding and Function. <i>Cell</i> , 2012, 148, 150-163.	28.9	263
3	Allosteric folding correction of $\Delta F508$ del and rare CFTR mutants by elexacaftor-tezacaftor-ivacaftor (Trikafta) combination. <i>JCI Insight</i> , 2020, 5, .	5.0	159
4	Structure-guided combination therapy to potently improve the function of mutant CFTRs. <i>Nature Medicine</i> , 2018, 24, 1732-1742.	30.7	117
5	Characterization of a Putative $\alpha$ -Helix across the Capsid-SP1 Boundary That Is Critical for the Multimerization of Human Immunodeficiency Virus Type 1 Gag. <i>Journal of Virology</i> , 2002, 76, 11729-11737.	3.4	102
6	Discovery of novel potent $\Delta F508$ -CFTR correctors that target the nucleotide binding domain. <i>EMBO Molecular Medicine</i> , 2013, 5, 1484-1501.	6.9	77
7	Synergy-Based Small-Molecule Screen Using a Human Lung Epithelial Cell Line Yields $\Delta F508$ -CFTR Correctors That Augment VX-809 Maximal Efficacy. <i>Molecular Pharmacology</i> , 2014, 86, 42-51.	2.3	58
8	Chaperones rescue the energetic landscape of mutant CFTR at single molecule and in cell. <i>Nature Communications</i> , 2017, 8, 398.	12.8	57
9	Mutation of the SP1 Sequence Impairs both Multimerization and Membrane-Binding Activities of Human Immunodeficiency Virus Type 1 Gag. <i>Journal of Virology</i> , 2005, 79, 1803-1812.	3.4	51
10	Interplay of Endosomal pH and Ligand Occupancy in Integrin $\beta$ 1 Ubiquitination, Endocytic Sorting, and Cell Migration. <i>Cell Reports</i> , 2015, 13, 599-609.	6.4	48
11	Effects of a Single Amino Acid Substitution within the p2 Region of Human Immunodeficiency Virus Type 1 on Packaging of Spliced Viral RNA. <i>Journal of Virology</i> , 2003, 77, 12986-12995.	3.4	37
12	In Vitro Identification and Characterization of an Early Complex Linking HIV-1 Genomic RNA Recognition and Pr55Gag Multimerization. <i>Journal of Biological Chemistry</i> , 2004, 279, 39886-39894.	3.4	28
13	Non-native Conformers of Cystic Fibrosis Transmembrane Conductance Regulator NBD1 Are Recognized by Hsp27 and Conjugated to SUMO-2 for Degradation. <i>Journal of Biological Chemistry</i> , 2016, 291, 2004-2017.	3.4	28
14	A HIV-1 Minimal Gag Protein Is Superior to Nucleocapsid at in Vitro tRNA <sup>Lys</sup> Annealing and Exhibits Multimerization-induced Inhibition of Reverse Transcription. <i>Journal of Biological Chemistry</i> , 2005, 280, 17488-17496.	3.4	25
15	Rattlesnake Phospholipase A2 Increases CFTR-Chloride Channel Current and Corrects $\Delta F508$ CFTR Dysfunction: Impact in Cystic Fibrosis. <i>Journal of Molecular Biology</i> , 2016, 428, 2898-2915.	4.2	22
16	Molecular characterization of $\beta$ -thalassemia genes in an Argentine population. , 1997, 54, 179-182.		10
17	The R362A mutation at the C-terminus of CA inhibits packaging of human immunodeficiency virus type 1 RNA. <i>Virology</i> , 2005, 343, 190-200.	2.4	10
18	New insights into interactions between the nucleotide-binding domain of CFTR and keratin 8. <i>Protein Science</i> , 2017, 26, 343-354.	7.6	10

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19	Variability in the PR and RT Genes of HIV-1 Isolated from Recently Infected Subjects. <i>Antiviral Chemistry and Chemotherapy</i> , 2004, 15, 255-259.	0.6	8
20	Hb Johnstown [ $\beta^{2109}(G11)Val\beta^{1}Leu$ ]: a High Oxygen Affinity Variant Associated with $\beta^0\alpha^+$ Thalassemia. <i>Hemoglobin</i> , 2004, 28, 335-338.	0.8	8
21	Differential Scanning Fluorimetry and Hydrogen Deuterium Exchange Mass Spectrometry to Monitor the Conformational Dynamics of NBD1 in Cystic Fibrosis. <i>Methods in Molecular Biology</i> , 2019, 1873, 53-67.	0.9	8
22	Endofin is required for HD-PTP and ESCRT-0 interdependent endosomal sorting of ubiquitinated transmembrane cargoes. <i>IScience</i> , 2021, 24, 103274.	4.1	7
23	$\beta$ F508-CFTR Modulator Screen Based on Cell Surface Targeting of a Chimeric Nucleotide Binding Domain 1 Reporter. <i>SLAS Discovery</i> , 2018, 23, 823-831.	2.7	5
24	Development and characterization of synthetic antibodies binding to the cystic fibrosis conductance regulator. <i>MAbs</i> , 2016, 8, 1167-1176.	5.2	3
25	Structural changes in the SL5 and SL6 leader sequences of HIV-1 RNA following interactions with the viral mGag protein. <i>Virus Research</i> , 2011, 155, 98-105.	2.2	0