

CÃ©dric Montigny

List of Publications by Year in descending order

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31
papers

917
citations

471509

17
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

1116
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and autoregulation of a P4-ATPase lipid flippase. <i>Nature</i> , 2019, 571, 366-370.	27.8	126
2	On the molecular mechanism of flippase- and scramblase-mediated phospholipid transport. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 767-783.	2.4	79
3	Quantification of Detergents Complexed with Membrane Proteins. <i>Scientific Reports</i> , 2017, 7, 41751.	3.3	66
4	Overproduction in yeast and rapid and efficient purification of the rabbit SERCA1a Ca ²⁺ -ATPase. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1560, 67-83.	2.6	61
5	The <i>Plasmodium falciparum</i> Ca ²⁺ -ATPase PfATP6: insensitive to artemisinin, but a potential drug target. <i>Biochemical Society Transactions</i> , 2011, 39, 823-831.	3.4	59
6	Phosphatidylserine Stimulation of Drs2p-Cdc50p Lipid Translocase Dephosphorylation Is Controlled by Phosphatidylinositol-4-phosphate. <i>Journal of Biological Chemistry</i> , 2012, 287, 13249-13261.	3.4	54
7	Paralogs of the C-Terminal Domain of the Cyanobacterial Orange Carotenoid Protein Are Carotenoid Donors to Helical Carotenoid Proteins. <i>Plant Physiology</i> , 2017, 175, 1283-1303.	4.8	52
8	SERCA mutant E309Q binds two Ca ²⁺ ions but adopts a catalytically incompetent conformation. <i>EMBO Journal</i> , 2013, 32, 3231-3243.	7.8	44
9	S-Palmitoylation and S-Oleoylation of Rabbit and Pig Sarcolipin. <i>Journal of Biological Chemistry</i> , 2014, 289, 33850-33861.	3.4	37
10	Crystal Structure of D351A and P312A Mutant Forms of the Mammalian Sarcoplasmic Reticulum Ca ²⁺ -ATPase Reveals Key Events in Phosphorylation and Ca ²⁺ Release. <i>Journal of Biological Chemistry</i> , 2008, 283, 14867-14882.	3.4	35
11	Chemical Synthesis of Native S-Palmitoylated Membrane Proteins through Removable Backbone-Assisted Ser/Thr Ligation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5178-5184.	13.8	35
12	High phosphatidylinositol 4-phosphate (PI4P)-dependent ATPase activity for the Drs2p-Cdc50p flippase after removal of its N- and C-terminal extensions. <i>Journal of Biological Chemistry</i> , 2017, 292, 7954-7970.	3.4	29
13	Fe ²⁺ -catalyzed Oxidative Cleavages of Ca ²⁺ -ATPase Reveal Novel Features of Its Pumping Mechanism. <i>Journal of Biological Chemistry</i> , 2004, 279, 43971-43981.	3.4	28
14	Structural Basis of Substrate-Independent Phosphorylation in a P4-ATPase Lipid Flippase. <i>Journal of Molecular Biology</i> , 2021, 433, 167062.	4.2	27
15	A High-Yield Co-Expression System for the Purification of an Intact Drs2p-Cdc50p Lipid Flippase Complex, Critically Dependent on and Stabilized by Phosphatidylinositol-4-Phosphate. <i>PLoS ONE</i> , 2014, 9, e112176.	2.5	23
16	Heterologous Expression and Affinity Purification of Eukaryotic Membrane Proteins in View of Functional and Structural Studies: The Example of the Sarcoplasmic Reticulum Ca ²⁺ -ATPase. <i>Methods in Molecular Biology</i> , 2010, 601, 247-267.	0.9	22
17	Autoinhibition and regulation by phosphoinositides of ATP8B1, a human lipid flippase associated with intrahepatic cholestatic disorders. <i>ELife</i> , 2022, 11, .	6.0	20
18	A robust method to screen detergents for membrane protein stabilization, revisited. <i>Analytical Biochemistry</i> , 2016, 511, 31-35.	2.4	18

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19	Use of Glycerol-Containing Media To Study the Intrinsic Fluorescence Properties of Detergent-Solubilized Native or Expressed SERCA1a. <i>Biochemistry</i> , 2008, 47, 12159-12174.	2.5	15
20	ATP2, The essential P4-ATPase of malaria parasites, catalyzes lipid-stimulated ATP hydrolysis in complex with a Cdc50 β -subunit. <i>Emerging Microbes and Infections</i> , 2021, 10, 132-147.	6.5	14
21	Coordinated Overexpression in Yeast of a P4-ATPase and Its Associated Cdc50 Subunit: The Case of the Drs2p/Cdc50p Lipid Flippase Complex. <i>Methods in Molecular Biology</i> , 2016, 1377, 37-55.	0.9	13
22	The SERCA residue Glu340 mediates interdomain communication that guides Ca ²⁺ transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31114-31122.	7.1	12
23	Screening of Detergents for Stabilization of Functional Membrane Proteins. <i>Current Protocols in Protein Science</i> , 2018, 93, e59.	2.8	8
24	Slow Phospholipid Exchange between a Detergent-Solubilized Membrane Protein and Lipid-Detergent Mixed Micelles: Brominated Phospholipids as Tools to Follow Its Kinetics. <i>PLoS ONE</i> , 2017, 12, e0170481.	2.5	7
25	Chemical Synthesis of Native ϵ -Palmitoylated Membrane Proteins through Removable β -Backbone α -Modification α -Assisted Ser/Thr Ligation. <i>Angewandte Chemie</i> , 2020, 132, 5216-5222.	2.0	7
26	Glycyl betaine is effective in slowing down the irreversible denaturation of a detergent-solubilized membrane protein, sarcoplasmic reticulum Ca ²⁺ -ATPase (SERCA1a). <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1067-1069.	2.1	6
27	Overexpression of Membrane Proteins in <i>Saccharomyces cerevisiae</i> for Structural and Functional Studies: A Focus on the Rabbit Ca ²⁺ -ATPase Serca1a and on the Yeast Lipid α -Flippase α -Complex Drs2p/Cdc50p. , 2014, , 133-171.		6
28	Functional and Structural Insights into Sarcolipin, a Regulator of the Sarco-Endoplasmic Reticulum Ca ²⁺ -ATPases. , 2016, , 153-186.		5
29	Deciphering the Mechanism of Inhibition of SERCA1a by Sarcolipin Using Molecular Simulations. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 606254.	3.5	4
30	Interaction of detergents with biological membranes: Comparison of fluorescence assays with filtration protocols and implications for the rates of detergent association, dissociation and flip-flop. <i>PLoS ONE</i> , 2019, 14, e0222932.	2.5	3
31	Sarcolipin alters SERCA1a interdomain communication by impairing binding of both calcium and ATP. <i>Scientific Reports</i> , 2021, 11, 1641.	3.3	2