# 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 | Autoinhibition and regulation by phosphoinositides of ATP8B1, a human lipid flippase associated with intrahepatic cholestatic disorders. ELife, 2022, 11, . | 6.0 | 20 |
| 2 | Structural Basis of Substrate-Independent Phosphorylation in a P4-ATPase Lipid Flippase. Journal of Molecular Biology, 2021, 433, 167062. | 4.2 | 27 |
| 3 | Sarcolipin alters SERCA1a interdomain communication by impairing binding of both calcium and ATP. Scientific Reports, 2021, 11, 1641. | 3.3 | 2 |
| 4 | ATP2, The essential P4-ATPase of malaria parasites, catalyzes lipid-stimulated ATP hydrolysis in complex with a Cdc50 Î²-subunit. Emerging Microbes and Infections, 2021, 10, 132-147. | 6.5 | 14 |
| 5 | Chemical Synthesis of Native Sâ€Palmitoylated Membrane Proteins through Removableâ€Backboneâ€Modificationâ€Assisted Ser/Thr Ligation. Angewandte Chemie - International Edition, 2020, 59, 5178-5184. | 13.8 | 35 |
| 6 | The SERCA residue Glu340 mediates interdomain communication that guides Ca <sup>2+</sup> transport. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31114-31122. | 7.1 | 12 |
| 7 | Chemical Synthesis of Native Sâ€Palmitoylated Membrane Proteins through Removableâ€Backboneâ€Modificationâ€Assisted Ser/Thr Ligation. Angewandte Chemie, 2020, 132, 5216-5222. | 2.0 | 7 |
| 8 | Deciphering the Mechanism of Inhibition of SERCA1a by Sarcolipin Using Molecular Simulations. Frontiers in Molecular Biosciences, 2020, 7, 606254. | 3.5 | 4 |
| 9 | 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. PLoS ONE, 2019, 14, e0222932. | 2.5 | 3 |
| 10 | Structure and autoregulation of a P4-ATPase lipid flippase. Nature, 2019, 571, 366-370. | 27.8 | 126 |
| 11 | Screening of Detergents for Stabilization of Functional Membrane Proteins. Current Protocols in Protein Science, 2018, 93, e59. | 2.8 | 8 |
| 12 | Quantification of Detergents Complexed with Membrane Proteins. Scientific Reports, 2017, 7, 41751. | 3.3 | 66 |
| 13 | High phosphatidylinositol 4-phosphate (PI4P)-dependent ATPase activity for the Drs2p-Cdc50p flippase after removal of its N- and C-terminal extensions. Journal of Biological Chemistry, 2017, 292, 7954-7970. | 3.4 | 29 |
| 14 | Paralogs of the C-Terminal Domain of the Cyanobacterial Orange Carotenoid Protein Are Carotenoid Donors to Helical Carotenoid Proteins. Plant Physiology, 2017, 175, 1283-1303. | 4.8 | 52 |
| 15 | Slow Phospholipid Exchange between a Detergent-Solubilized Membrane Protein and Lipid-Detergent Mixed Micelles: Brominated Phospholipids as Tools to Follow Its Kinetics. PLoS ONE, 2017, 12, e0170481. | 2.5 | 7 |
| 16 | A robust method to screen detergents for membrane protein stabilization, revisited. Analytical Biochemistry, 2016, 511, 31-35. | 2.4 | 18 |
| 17 | On the molecular mechanism of flippase- and scramblase-mediated phospholipid transport. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 767-783. | 2.4 | 79 |
| 18 | Coordinated Overexpression in Yeast of a P4-ATPase and Its Associated Cdc50 Subunit: The Case of the Drs2p/Cdc50p Lipid Flippase Complex. Methods in Molecular Biology, 2016, 1377, 37-55. | 0.9 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Functional and Structural Insights into Sarcolipin, a Regulator of the Sarco-Endoplasmic Reticulum Ca2+-ATPases. , 2016, , 153-186. | | 5 |
| 20 | 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. PLoS ONE, 2014, 9, e112176. | 2.5 | 23 |
| 21 | S-Palmitoylation and S-Oleoylation of Rabbit and Pig Sarcolipin. Journal of Biological Chemistry, 2014, 289, 33850-33861. | 3.4 | 37 |
| 22 | Overexpression of Membrane Proteins in Saccharomyces cerevisiae for Structural and Functional Studies: A Focus on the Rabbit Ca2+-ATPase Serca1a and on the Yeast Lipid â€œFlippaseâ€•Complex Drs2p/Cdc50p. , 2014, , 133-171. | | 6 |
| 23 | SERCA mutant E309Q binds two Ca<sup>2+</sup>ions but adopts a catalytically incompetent conformation. EMBO Journal, 2013, 32, 3231-3243. | 7.8 | 44 |
| 24 | Phosphatidylserine Stimulation of Drs2pÂ·Cdc50p Lipid Translocase Dephosphorylation Is Controlled by Phosphatidylinositol-4-phosphate. Journal of Biological Chemistry, 2012, 287, 13249-13261. | 3.4 | 54 |
| 25 | The Plasmodium falciparum Ca2+-ATPase PfATP6: insensitive to artemisinin, but a potential drug target. Biochemical Society Transactions, 2011, 39, 823-831. | 3.4 | 59 |
| 26 | Glycyl betaine is effective in slowing down the irreversible denaturation of a detergent-solubilized membrane protein, sarcoplasmic reticulum Ca2+-ATPase (SERCA1a). Biochemical and Biophysical Research Communications, 2010, 391, 1067-1069. | 2.1 | 6 |
| 27 | Heterologous Expression and Affinity Purification of Eukaryotic Membrane Proteins in View of Functional and Structural Studies: The Example of the Sarcoplasmic Reticulum Ca2+-ATPase. Methods in Molecular Biology, 2010, 601, 247-267. | 0.9 | 22 |
| 28 | Use of Glycerol-Containing Media To Study the Intrinsic Fluorescence Properties of Detergent-Solubilized Native or Expressed SERCA1a. Biochemistry, 2008, 47, 12159-12174. | 2.5 | 15 |
| 29 | Crystal Structure of D351A and P312A Mutant Forms of the Mammalian Sarcoplasmic Reticulum Ca2+-ATPase Reveals Key Events in Phosphorylation and Ca2+ Release. Journal of Biological Chemistry, 2008, 283, 14867-14882. | 3.4 | 35 |
| 30 | Fe2+-catalyzed Oxidative Cleavages of Ca2+-ATPase Reveal Novel Features of Its Pumping Mechanism. Journal of Biological Chemistry, 2004, 279, 43971-43981. | 3.4 | 28 |
| 31 | Overproduction in yeast and rapid and efficient purification of the rabbit SERCA1a Ca2+-ATPase. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1560, 67-83. | 2.6 | 61 |