Martin Picard

List of Publications by Year
in descending order

38 papers	1,623 citations	471509 17 h-index	330143 37 g-index
40 all docs	40 docs citations	40 times ranked	1855 citing authors

#	Article	IF	Citations
1	The structural basis of calcium transport by the calcium pump. Nature, 2007, 450, 1036-1042.	27.8	419
2	Amphipols From A to Z. Annual Review of Biophysics, 2011, 40, 379-408.	10.0	226
3	Tripartite assembly of RND multidrug efflux pumps. Nature Communications, 2016, 7, 10731.	12.8	166
4	Structure, Assembly, and Function of Tripartite Efflux and Type 1 Secretion Systems in Gram-Negative Bacteria. Chemical Reviews, 2021, 121, 5479-5596.	47.7	103
5	Protective and Inhibitory Effects of Various Types of Amphipols on the Ca2+-ATPase from Sarcoplasmic Reticulum:Â A Comparative Studyâ€. Biochemistry, 2006, 45, 1861-1869.	2.5	74
6	Quantification of Detergents Complexed with Membrane Proteins. Scientific Reports, 2017, 7, 41751.	3.3	66
7	Structural and Dynamical Insights into the Opening Mechanism of P. aeruginosa OprM Channel. Structure, 2010, 18, 507-517.	3.3	53
8	In vitro transport activity of the fully assembled MexAB-OprM efflux pump from Pseudomonas aeruginosa. Nature Communications, 2015, 6, 6890.	12.8	47
9	Antibiotic export by MexB multidrug efflux transporter is allosterically controlled by a MexA-OprM chaperone-like complex. Nature Communications, 2020, 11, 4948.	12.8	45
10	Functional Properties of Sarcoplasmic Reticulum Ca2+-ATPase after Proteolytic Cleavage at Leu119-Lys120, Close to the A-domain. Journal of Biological Chemistry, 2004, 279, 9156-9166.	3.4	36
11	Ca2+ versus Mg2+ Coordination at the Nucleotide-binding site of the Sarcoplasmic Reticulum Ca2+-ATPase. Journal of Molecular Biology, 2007, 368, 1-7.	4.2	32
12	Effects of Inhibitors on Luminal Opening of Ca2+ Binding Sites in an E2P-like Complex of Sarcoplasmic Reticulum Ca22+-ATPase with Be22+-fluoride. Journal of Biological Chemistry, 2006, 281, 3360-3369.	3.4	31
13	The Average Conformation at Micromolar [Ca2+] of Ca2+-ATPase with Bound Nucleotide Differs from That Adopted with the Transition State Analog ADPÂ·AlFx or with AMPPCP under Crystallization Conditions at Millimolar [Ca2+]*. Journal of Biological Chemistry, 2005, 280, 18745-18754.	3.4	27
14	Photo-induced proton gradients for the in vitro investigation of bacterial efflux pumps. Scientific Reports, 2012, 2, 306.	3.3	25
15	Solution Behavior and Crystallization of Cytochrome bc 1 in the Presence of Amphipols. Journal of Membrane Biology, 2014, 247, 981-996.	2.1	25
16	Amphipol-Mediated Screening of Molecular Orthoses Specific for Membrane Protein Targets. Journal of Membrane Biology, 2014, 247, 925-940.	2.1	22
17	Catch me if you can: a biotinylated proteoliposome affinity assay for the investigation of assembly of the MexA-MexB-OprM efflux pump from Pseudomonas aeruginosa. Frontiers in Microbiology, 2015, 6, 541.	3.5	19
18	Inhibitors Bound to Ca²⁺-Free Sarcoplasmic Reticulum Ca²⁺â˘'ATPase Lock Its Transmembrane Region but Not Necessarily Its Cytosolic Region, Revealing the Flexibility of the Loops Connecting Transmembrane and Cytosolic Domains. Biochemistry, 2007, 46, 15162-15174.	2.5	18

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19	LCâ€“MS/MS-based quantification of efflux transporter proteins at the BBB. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 496-508.	2.8	18
20	Involvement of the L6â€“7 Loop in SERCA1a Ca2+-ATPase Activation by Ca2+ (or Sr2+) and ATP. Journal of Biological Chemistry, 2004, 279, 32125-32133.	3.4	15
21	Focus on the Outer Membrane Factor OprM, the Forgotten Player from Efflux Pumps Assemblies. Antibiotics, 2015, 4, 544-566.	3.7	15
22	New OprM structure highlighting the nature of the N-terminal anchor. Frontiers in Microbiology, 2015, 6, 667.	3.5	15
23	Stoichiometry of the <scp>M</scp>ex<scp>A</scp>â€«<scp>O</scp>pr<scp>M</scp> binding, as investigated by blue native gel electrophoresis. Electrophoresis, 2012, 33, 1282-1287.	2.4	14
24	Targeted unlabeled multiple reaction monitoring analysis of cell markers for the study of sample heterogeneity in isolated rat brain cortical microvessels. Journal of Neurochemistry, 2017, 142, 597-609.	3.9	14
25	Reconstitution of Membrane Proteins in Liposomes. Methods in Molecular Biology, 2017, 1635, 259-282.	0.9	14
26	Conformational Changes in Sarcoplasmic Reticulum Ca2+-ATPase Mutants:Â Effect of Mutations either at Ca2+-Binding Site II or at Tryptophan 552 in the Cytosolic Domainâ€. Biochemistry, 2006, 45, 5261-5270.	2.5	13
27	Activity monitoring of functional OprM using a biomimetic microfluidic device. Analyst, The, 2012, 137, 847.	3.5	13
28	Biochemical Reconstitution and Characterization of Multicomponent Drug Efflux Transporters. Methods in Molecular Biology, 2018, 1700, 113-145.	0.9	10
29	In vitro Investigation of the MexAB Efflux Pump From Pseudomonas aeruginosa. Journal of Visualized Experiments, 2014, , e50894.	0.3	9
30	Monitoring the active transport of efflux pumps after their reconstitution into proteoliposomes: Caveats and keys. Analytical Biochemistry, 2012, 420, 194-196.	2.4	8
31	How to best estimate the viscosity of lipid bilayers. Biophysical Chemistry, 2022, 281, 106732.	2.8	8
32	Quantitative real-time analysis of the efflux by the MacAB-TolC tripartite efflux pump clarifies the role of ATP hydrolysis within mechanotransmission mechanism. Communications Biology, 2021, 4, 493.	4.4	7
33	Reconstitution of the activity of RND efflux pumps: a â€œbottom-upâ€•approach. Research in Microbiology, 2018, 169, 442-449.	2.1	6
34	Hoechst likes to play hide and seek â€¦ use it with caution!. Analytical Biochemistry, 2013, 440, 117-119.	2.4	5
35	Functional Investigation of the MexA-MexB-OprM Efflux Pump of Pseudomonas Aeruginosa. Biophysical Journal, 2013, 104, 286a.	0.5	3
36	Surfactant Sponge Phase Is a Versatile, Tunable and Biologically Relevant Medium To Study Membrane Protein Interactions. Biophysical Journal, 2010, 98, 59a.	0.5	1

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37	Rationale for the Quantitative Reconstitution of Membrane Proteins into Proteoliposomes. Methods in Molecular Biology, 2020, 2168, 63-72.	0.9	1
38	Innovative Tools for the Structural and Functional Investigation of a Multidrug Efflux Pump from Pseudomonas Aeruginosa. Biophysical Journal, 2013, 104, 407a.	0.5	0