

Martin Picard

List of Publications by Year in descending order

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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	How to best estimate the viscosity of lipid bilayers. <i>Biophysical Chemistry</i> , 2022, 281, 106732.	2.8	8
2	Structure, Assembly, and Function of Tripartite Efflux and Type 1 Secretion Systems in Gram-Negative Bacteria. <i>Chemical Reviews</i> , 2021, 121, 5479-5596.	47.7	103
3	Quantitative real-time analysis of the efflux by the MacAB-TolC tripartite efflux pump clarifies the role of ATP hydrolysis within mechanotransmission mechanism. <i>Communications Biology</i> , 2021, 4, 493.	4.4	7
4	Antibiotic export by MexB multidrug efflux transporter is allosterically controlled by a MexA-OprM chaperone-like complex. <i>Nature Communications</i> , 2020, 11, 4948.	12.8	45
5	Rationale for the Quantitative Reconstitution of Membrane Proteins into Proteoliposomes. <i>Methods in Molecular Biology</i> , 2020, 2168, 63-72.	0.9	1
6	LC-MS/MS-based quantification of efflux transporter proteins at the BBB. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 496-508.	2.8	18
7	Biochemical Reconstitution and Characterization of Multicomponent Drug Efflux Transporters. <i>Methods in Molecular Biology</i> , 2018, 1700, 113-145.	0.9	10
8	Reconstitution of the activity of RND efflux pumps: a "bottom-up" approach. <i>Research in Microbiology</i> , 2018, 169, 442-449.	2.1	6
9	Quantification of Detergents Complexed with Membrane Proteins. <i>Scientific Reports</i> , 2017, 7, 41751.	3.3	66
10	Targeted unlabeled multiple reaction monitoring analysis of cell markers for the study of sample heterogeneity in isolated rat brain cortical microvessels. <i>Journal of Neurochemistry</i> , 2017, 142, 597-609.	3.9	14
11	Reconstitution of Membrane Proteins in Liposomes. <i>Methods in Molecular Biology</i> , 2017, 1635, 259-282.	0.9	14
12	Tripartite assembly of RND multidrug efflux pumps. <i>Nature Communications</i> , 2016, 7, 10731.	12.8	166
13	Focus on the Outer Membrane Factor OprM, the Forgotten Player from Efflux Pumps Assemblies. <i>Antibiotics</i> , 2015, 4, 544-566.	3.7	15
14	Catch me if you can: a biotinylated proteoliposome affinity assay for the investigation of assembly of the MexA-MexB-OprM efflux pump from <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 541.	3.5	19
15	New OprM structure highlighting the nature of the N-terminal anchor. <i>Frontiers in Microbiology</i> , 2015, 6, 667.	3.5	15
16	In vitro transport activity of the fully assembled MexAB-OprM efflux pump from <i>Pseudomonas aeruginosa</i> . <i>Nature Communications</i> , 2015, 6, 6890.	12.8	47
17	Amphipol-Mediated Screening of Molecular Orthoses Specific for Membrane Protein Targets. <i>Journal of Membrane Biology</i> , 2014, 247, 925-940.	2.1	22
18	Solution Behavior and Crystallization of Cytochrome bc 1 in the Presence of Amphipols. <i>Journal of Membrane Biology</i> , 2014, 247, 981-996.	2.1	25

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19	<i>In vitro</i> Investigation of the MexAB Efflux Pump From <i>Pseudomonas aeruginosa</i> . Journal of Visualized Experiments, 2014, , e50894.	0.3	9
20	Hoechst likes to play hide and seek – use it with caution!. Analytical Biochemistry, 2013, 440, 117-119.	2.4	5
21	Functional Investigation of the MexA-MexB-OprM Efflux Pump of <i>Pseudomonas Aeruginosa</i> . Biophysical Journal, 2013, 104, 286a.	0.5	3
22	Innovative Tools for the Structural and Functional Investigation of a Multidrug Efflux Pump from <i>Pseudomonas Aeruginosa</i> . Biophysical Journal, 2013, 104, 407a.	0.5	0
23	Photo-induced proton gradients for the <i>in vitro</i> investigation of bacterial efflux pumps. Scientific Reports, 2012, 2, 306.	3.3	25
24	Activity monitoring of functional OprM using a biomimetic microfluidic device. Analyst, The, 2012, 137, 847.	3.5	13
25	Stoichiometry of the <i>M</i> ₂ <i>A</i> – <i>O</i> ₂ <i>M</i> binding, as investigated by blue native gel electrophoresis. Electrophoresis, 2012, 33, 1282-1287.	2.4	14
26	Monitoring the active transport of efflux pumps after their reconstitution into proteoliposomes: Caveats and keys. Analytical Biochemistry, 2012, 420, 194-196.	2.4	8
27	Amphipols From A to Z. Annual Review of Biophysics, 2011, 40, 379-408.	10.0	226
28	Structural and Dynamical Insights into the Opening Mechanism of <i>P. aeruginosa</i> OprM Channel. Structure, 2010, 18, 507-517.	3.3	53
29	Surfactant Sponge Phase Is a Versatile, Tunable and Biologically Relevant Medium To Study Membrane Protein Interactions. Biophysical Journal, 2010, 98, 59a.	0.5	1
30	Ca ²⁺ versus Mg ²⁺ Coordination at the Nucleotide-binding site of the Sarcoplasmic Reticulum Ca ²⁺ -ATPase. Journal of Molecular Biology, 2007, 368, 1-7.	4.2	32
31	Inhibitors Bound to Ca ²⁺ -Free Sarcoplasmic Reticulum Ca ²⁺ -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
32	The structural basis of calcium transport by the calcium pump. Nature, 2007, 450, 1036-1042.	27.8	419
33	Protective and Inhibitory Effects of Various Types of Amphipols on the Ca ²⁺ -ATPase from Sarcoplasmic Reticulum: A Comparative Study. Biochemistry, 2006, 45, 1861-1869.	2.5	74
34	Conformational Changes in Sarcoplasmic Reticulum Ca ²⁺ -ATPase Mutants: Effect of Mutations either at Ca ²⁺ -Binding Site II or at Tryptophan 552 in the Cytosolic Domain. Biochemistry, 2006, 45, 5261-5270.	2.5	13
35	Effects of Inhibitors on Luminal Opening of Ca ²⁺ Binding Sites in an E2P-like Complex of Sarcoplasmic Reticulum Ca ²⁺ -ATPase with Be ²⁺ -fluoride. Journal of Biological Chemistry, 2006, 281, 3360-3369.	3.4	31
36	The Average Conformation at Micromolar [Ca ²⁺] of Ca ²⁺ -ATPase with Bound Nucleotide Differs from That Adopted with the Transition State Analog ADP·AlFx or with AMPPCP under Crystallization Conditions at Millimolar [Ca ²⁺]*. Journal of Biological Chemistry, 2005, 280, 18745-18754.	3.4	27

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37	Involvement of the L6â€“7 Loop in SERCA1a Ca ²⁺ -ATPase Activation by Ca ²⁺ (or Sr ²⁺) and ATP. Journal of Biological Chemistry, 2004, 279, 32125-32133.	3.4	15
38	Functional Properties of Sarcoplasmic Reticulum Ca ²⁺ -ATPase after Proteolytic Cleavage at Leu119-Lys120, Close to the A-domain. Journal of Biological Chemistry, 2004, 279, 9156-9166.	3.4	36