

Smriti Mishra

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,111
citations

567281

15
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

1365
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vitro Resistance of <i>Staphylococcus aureus</i> to Thrombin-Induced Platelet Microbicidal Protein Is Associated with Alterations in Cytoplasmic Membrane Fluidity. <i>Infection and Immunity</i> , 2000, 68, 3548-3553.	2.2	138
2	Functional Characterization of <i>Candida albicans</i> ABC Transporter Cdr1p. <i>Eukaryotic Cell</i> , 2003, 2, 1361-1375.	3.4	136
3	Conformational dynamics of the nucleotide binding domains and the power stroke of a heterodimeric ABC transporter. <i>ELife</i> , 2014, 3, e02740.	6.0	114
4	Lipids modulate the conformational dynamics of a secondary multidrug transporter. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 744-751.	8.2	111
5	Mechanism of allosteric modulation of P-glycoprotein by transport substrates and inhibitors. <i>Science</i> , 2019, 364, 689-692.	12.6	109
6	Protonation drives the conformational switch in the multidrug transporter LmrP. <i>Nature Chemical Biology</i> , 2014, 10, 149-155.	8.0	68
7	Asymmetric distribution of phosphatidylethanolamine in <i>C. albicans</i> : possible mediation by CDR1, a multidrug transporter belonging to ATP binding cassette (ABC) superfamily. <i>Yeast</i> , 1999, 15, 111-121.	1.7	66
8	Unfolding of a Temperature-Sensitive Domain Controls Voltage-Gated Channel Activation. <i>Cell</i> , 2016, 164, 922-936.	28.9	65
9	Protonation-dependent conformational dynamics of the multidrug transporter EmrE. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1220-1225.	7.1	56
10	Drug resistance in yeasts – an emerging scenario. <i>Advances in Microbial Physiology</i> , 2002, 46, 155-201.	2.4	54
11	Navigating Membrane Protein Structure, Dynamics, and Energy Landscapes Using Spin Labeling and EPR Spectroscopy. <i>Methods in Enzymology</i> , 2015, 564, 349-387.	1.0	46
12	Mapping Daunorubicin-binding Sites in the ATP-binding Cassette Transporter MsbA Using Site-specific Quenching by Spin Labels. <i>Journal of Biological Chemistry</i> , 2009, 284, 13904-13913.	3.4	36
13	Direct Spectroscopic Detection of ATP Turnover Reveals Mechanistic Divergence of ABC Exporters. <i>Structure</i> , 2017, 25, 1264-1274.e3.	3.3	34
14	Na ⁺ Substrate Coupling in the Multidrug Antiporter NorM Probed with a Spin-Labeled Substrate. <i>Biochemistry</i> , 2013, 52, 5790-5799.	2.5	24
15	Probing the solution structure of the <i>E. coli</i> multidrug transporter MdfA using DEER distance measurements with nitroxide and Gd(III) spin labels. <i>Scientific Reports</i> , 2019, 9, 12528.	3.3	23
16	The Multidrug Transporter MdfA Deviates from the Canonical Model of Alternating Access of MFS Transporters. <i>Journal of Molecular Biology</i> , 2020, 432, 5665-5680.	4.2	16
17	Asymmetric drug binding in an ATP-loaded inward-facing state of an ABC transporter. <i>Nature Chemical Biology</i> , 2022, 18, 226-235.	8.0	15
18	Structural Dynamics of the Small Multidrug Transporter EMRE. <i>Biophysical Journal</i> , 2016, 110, 135a.	0.5	0

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19	Allosteric Modulation of ATP Hydrolysis of the Mouse P-Glycoprotein by Substrates and Inhibitors. Biophysical Journal, 2019, 116, 170a.	0.5	0