

Olga Boudker

List of Publications by Year in descending order

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28
papers

3,493
citations

394421

19
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526287

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docs citations

37
times ranked

2126
citing authors

#	ARTICLE	IF	CITATIONS
1	The archaeal glutamate transporter homologue GltPh shows heterogeneous substrate binding. <i>Journal of General Physiology</i> , 2022, 154, .	1.9	7
2	Cryo-EM structures of excitatory amino acid transporter 3 visualize coupled substrate, sodium, and proton binding and transport. <i>Science Advances</i> , 2021, 7, .	10.3	28
3	FRET-based Microscopy Assay to Measure Activity of Membrane Amino Acid Transporters with Single-transporter Resolution. <i>Bio-protocol</i> , 2021, 11, e3970.	0.4	2
4	The high-energy transition state of the glutamate transporter homologue GltPh. <i>EMBO Journal</i> , 2021, 40, e105415.	7.8	22
5	Linking function to global and local dynamics in an elevator-type transporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	7
6	Millisecond dynamics of an unlabeled amino acid transporter. <i>Nature Communications</i> , 2020, 11, 5016.	12.8	27
7	Single-molecule transport kinetics of a glutamate transporter homolog shows static disorder. <i>Science Advances</i> , 2020, 6, eaaz1949.	10.3	22
8	Use of paramagnetic ¹⁹ F NMR to monitor domain movement in a glutamate transporter homolog. <i>Nature Chemical Biology</i> , 2020, 16, 1006-1012.	8.0	31
9	Large domain movements through the lipid bilayer mediate substrate release and inhibition of glutamate transporters. <i>ELife</i> , 2020, 9, .	6.0	43
10	Structural characterisation reveals insights into substrate recognition by the glutamine transporter ASCT2/SLC1A5. <i>Nature Communications</i> , 2018, 9, 38.	12.8	65
11	A facile approach for the in vitro assembly of multimeric membrane transport proteins. <i>ELife</i> , 2018, 7, .	6.0	16
12	Kinetic mechanism of coupled binding in sodium-aspartate symporter GltPh. <i>ELife</i> , 2018, 7, .	6.0	36
13	Direct visualization of glutamate transporter elevator mechanism by high-speed AFM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1584-1588.	7.1	107
14	Shared Molecular Mechanisms of Membrane Transporters. <i>Annual Review of Biochemistry</i> , 2016, 85, 543-572.	11.1	389
15	The Role of Flexible Loops in Folding, Trafficking and Activity of Equilibrative Nucleoside Transporters. <i>PLoS ONE</i> , 2015, 10, e0136779.	2.5	13
16	Transport domain unlocking sets the uptake rate of an aspartate transporter. <i>Nature</i> , 2015, 518, 68-73.	27.8	144
17	Isothermal titration calorimetry of ion-coupled membrane transporters. <i>Methods</i> , 2015, 76, 171-182.	3.8	21
18	Mechanism of Ion-Coupled Transport in Glutamate Transporters. <i>FASEB Journal</i> , 2015, 29, 362.1.	0.5	0

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19	Coupled ion binding and structural transitions along the transport cycle of glutamate transporters. <i>ELife</i> , 2014, 3, e02283.	6.0	105
20	Conformational ensemble of the sodium-coupled aspartate transporter. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 215-221.	8.2	121
21	Binding thermodynamics of a glutamate transporter homolog. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 634-640.	8.2	89
22	Transport dynamics in a glutamate transporter homologue. <i>Nature</i> , 2013, 502, 114-118.	27.8	158
23	Crystal structure of an asymmetric trimer of a bacterial glutamate transporter homolog. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 355-357.	8.2	148
24	Structural perspectives on secondary active transporters. <i>Trends in Pharmacological Sciences</i> , 2010, 31, 418-426.	8.7	148
25	Transport mechanism of a bacterial homologue of glutamate transporters. <i>Nature</i> , 2009, 462, 880-885.	27.8	407
26	Coupling substrate and ion binding to extracellular gate of a sodium-dependent aspartate transporter. <i>Nature</i> , 2007, 445, 387-393.	27.8	473
27	Structure of a glutamate transporter homologue from <i>Pyrococcus horikoshii</i> . <i>Nature</i> , 2004, 431, 811-818.	27.8	758
28	Trimeric Subunit Stoichiometry of the Glutamate Transporters from <i>Bacillus caldotenax</i> and <i>Bacillus stearothermophilus</i> . <i>Biochemistry</i> , 2003, 42, 12981-12988.	2.5	93