Olga Boudker

List of Publications by Year
in descending order

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28	3,493	394421	526287
papers	citations	19 h-index	27 g-index

37	37	37	2126
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure of a glutamate transporter homologue from Pyrococcus horikoshii. Nature, 2004, 431, 811-818.	27.8	758
2	Coupling substrate and ion binding to extracellular gate of a sodium-dependent aspartate transporter. Nature, 2007, 445, 387-393.	27.8	473
3	Transport mechanism of a bacterial homologue of glutamate transporters. Nature, 2009, 462, 880-885.	27.8	407
4	Shared Molecular Mechanisms of Membrane Transporters. Annual Review of Biochemistry, 2016, 85, 543-572.	11.1	389
5	Transport dynamics in a glutamate transporter homologue. Nature, 2013, 502, 114-118.	27.8	158
6	Structural perspectives on secondary active transporters. Trends in Pharmacological Sciences, 2010, 31, 418-426.	8.7	148
7	Crystal structure of an asymmetric trimer of a bacterial glutamate transporter homolog. Nature Structural and Molecular Biology, 2012, 19, 355-357.	8.2	148
8	Transport domain unlocking sets the uptake rate of an aspartate transporter. Nature, 2015, 518, 68-73.	27.8	144
9	Conformational ensemble of the sodium-coupled aspartate transporter. Nature Structural and Molecular Biology, 2013, 20, 215-221.	8.2	121
10	Direct visualization of glutamate transporter elevator mechanism by high-speed AFM. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1584-1588.	7.1	107
11	Coupled ion binding and structural transitions along the transport cycle of glutamate transporters. ELife, 2014, 3, e02283.	6.0	105
12	Trimeric Subunit Stoichiometry of the Glutamate Transporters fromBacillus caldotenaxandBacillus stearothermophilusâ€. Biochemistry, 2003, 42, 12981-12988.	2.5	93
13	Binding thermodynamics of a glutamate transporter homolog. Nature Structural and Molecular Biology, 2013, 20, 634-640.	8.2	89
14	Structural characterisation reveals insights into substrate recognition by the glutamine transporter ASCT2/SLC1A5. Nature Communications, 2018, 9, 38.	12.8	65
15	Large domain movements through the lipid bilayer mediate substrate release and inhibition of glutamate transporters. ELife, 2020, 9, .	6.0	43
16	Kinetic mechanism of coupled binding in sodium-aspartate symporter GltPh. ELife, 2018, 7, .	6.0	36
17	Use of paramagnetic 19F NMR to monitor domain movement in a glutamate transporter homolog. Nature Chemical Biology, 2020, 16, 1006-1012.	8.0	31
18	Cryo-EM structures of excitatory amino acid transporter 3 visualize coupled substrate, sodium, and proton binding and transport. Science Advances, 2021, 7, .	10.3	28

#	Article	IF	Citations
19	Millisecond dynamics of an unlabeled amino acid transporter. Nature Communications, 2020, 11, 5016.	12.8	27
20	Single-molecule transport kinetics of a glutamate transporter homolog shows static disorder. Science Advances, 2020, 6, eaaz1949.	10.3	22
21	The highâ€energy transition state of the glutamate transporter homologue GltPh. EMBO Journal, 2021, 40, e105415.	7.8	22
22	Isothermal titration calorimetry of ion-coupled membrane transporters. Methods, 2015, 76, 171-182.	3.8	21
23	A facile approach for the in vitro assembly of multimeric membrane transport proteins. ELife, 2018, 7, .	6.0	16
24	The Role of Flexible Loops in Folding, Trafficking and Activity of Equilibrative Nucleoside Transporters. PLoS ONE, 2015, 10, e0136779.	2.5	13
25	Linking function to global and local dynamics in an elevator-type transporter. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	7
26	The archaeal glutamate transporter homologue GltPh shows heterogeneous substrate binding. Journal of General Physiology, 2022, 154, .	1.9	7
27	FRET-based Microscopy Assay to Measure Activity of Membrane Amino Acid Transporters with Single-transporter Resolution. Bio-protocol, 2021, 11, e3970.	0.4	2
28	Mechanism of Ionâ€Coupled Transport in Glutamate Transporters. FASEB Journal, 2015, 29, 362.1.	0.5	0