Rupert Abele

List of Publications by Year
in descending order

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34	1,151	471509 17	395702 33
papers	citations	h-index	g-index

34	34	34	1317
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The ABCs of Immunology: Structure and Function of TAP, the Transporter Associated with Antigen Processing. Physiology, 2004, 19, 216-224.	3.1	153
2	Mechanistic determinants of the directionality and energetics of active export by a heterodimeric ABC transporter. Nature Communications, 2014, 5, 5419.	12.8	86
3	Molecular Mechanism and Structural Aspects of Transporter Associated with Antigen Processing Inhibition by the Cytomegalovirus Protein US6. Journal of Biological Chemistry, 2001, 276, 48031-48039.	3.4	85
4	Peptides Induce ATP Hydrolysis at Both Subunits of the Transporter Associated with Antigen Processing. Journal of Biological Chemistry, 2003, 278, 29686-29692.	3.4	68
5	Crystal structure and mechanistic basis of a functional homolog of the antigen transporter TAP. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E438-E447.	7.1	67
6	Selective and ATP-dependent Translocation of Peptides by the Homodimeric ATP Binding Cassette Transporter TAP-like (ABCB9). Journal of Biological Chemistry, 2005, 280, 23631-23636.	3.4	63
7	Modulation of the antigen transport machinery TAP by friends and enemies. FEBS Letters, 2006, 580, 1156-1163.	2.8	53
8	Purification and Reconstitution of the Antigen Transport Complex TAP. Journal of Biological Chemistry, 2009, 284, 33740-33749.	3.4	45
9	Identification of a Lysosomal Peptide Transport System Induced during Dendritic Cell Development. Journal of Biological Chemistry, 2007, 282, 37836-37843.	3.4	40
10	Mechanism of Substrate Sensing and Signal Transmission within an ABC Transporter. Journal of Biological Chemistry, 2007, 282, 3871-3880.	3.4	39
11	The lysosomal polypeptide transporter TAPL is stabilized by the interaction with LAMP-1 and LAMP-2. Journal of Cell Science, 2012, 125, 4230-40.	2.0	39
12	Tuning the Cellular Trafficking of the Lysosomal Peptide Transporter TAPL by its N-terminal Domain. Traffic, 2010, 11, 383-393.	2.7	36
13	Single liposome analysis of peptide translocation by the ABC transporter TAPL. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2046-2051.	7.1	35
14	Direct evidence that the N-terminal extensions of the TAP complex act as autonomous interaction scaffolds for the assembly of the MHC I peptide-loading complex. Cellular and Molecular Life Sciences, 2012, 69, 3317-3327.	5.4	29
15	Large-Scale Recombinant Production of the SARS-CoV-2 Proteome for High-Throughput and Structural Biology Applications. Frontiers in Molecular Biosciences, 2021, 8, 653148.	3.5	29
16	An inventory of lysosomal ABC transporters. FEBS Letters, 2020, 594, 3965-3985.	2.8	28
17	Peptide Specificity and Lipid Activation of the Lysosomal Transport Complex ABCB9 (TAPL). Journal of Biological Chemistry, 2008, 283, 17083-17091.	3.4	27
18	Assembly of the MHC I peptide-loading complex determined by a conserved ionic lock-switch. Scientific Reports, 2015, 5, 17341.	3.3	19

#	Article	IF	Citations
19	Moving the Cellular Peptidome by Transporters. Frontiers in Cell and Developmental Biology, 2018, 6, 43.	3.7	19
20	Peptide translocation by the lysosomal ABC transporter TAPL is regulated by coupling efficiency and activation energy. Scientific Reports, 2019, 9, 11884.	3.3	19
21	Interferon Alpha Signalling and Its Relevance for the Upregulatory Effect of Transporter Proteins Associated with Antigen Processing (TAP) in Patients with Malignant Melanoma. PLoS ONE, 2016, 11, e0146325.	2.5	18
22	The TAP translocation machinery in adaptive immunity and viral escape mechanisms. Essays in Biochemistry, 2011, 50, 249-264.	4.7	17
23	Peptide trafficking and translocation across membranes in cellular signaling and self-defense strategies. Current Opinion in Cell Biology, 2009, 21, 508-515.	5.4	16
24	Characterization of a transport activity for long-chain peptides in barley mesophyll vacuoles. Journal of Experimental Botany, 2011, 62, 2403-2410.	4.8	16
25	TAP and TAP-like â€" Brothers in arms?. Naunyn-Schmiedeberg's Archives of Pharmacology, 2006, 372, 444-450.	3.0	15
26	The lysosomal polypeptide transporter TAPL: more than a housekeeping factor?. Biological Chemistry, 2011, 392, 61-6.	2.5	15
27	An extended combinatorial 15N, 13CÎ±, and $$ ^{13} {ext{C}}^{prime } $$ labeling approach to protein backbone resonance assignment. Journal of Biomolecular NMR, 2015, 62, 263-279.	2.8	15
28	Lysosomal targeting of the ABC transporter TAPL is determined by membrane-localized charged residues. Journal of Biological Chemistry, 2019, 294, 7308-7323.	3.4	15
29	Time-shared experiments for efficient assignment of triple-selectively labeled proteins. Journal of Magnetic Resonance, 2014, 248, 81-95.	2.1	13
30	Stabilisation and characterisation of the isolated regulatory domain of human 5-lipoxygenase. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 1538-1547.	2.4	11
31	Structural and functional insights into the interaction and targeting hub TMD0 of the polypeptide transporter TAPL. Scientific Reports, 2018, 8, 15662.	3.3	7
32	Conformational stabilization of the membrane embedded targeting domain of the lysosomal peptide transporter TAPL for solution NMR. Journal of Biomolecular NMR, 2013, 57, 141-154.	2.8	6
33	Team work at its best â€" TAPL and its two domains. Biological Chemistry, 2015, 396, 967-974.	2.5	6
34	Unidirectional mannitol synthesis ofAcinetobacter baumanniiMtlD is facilitated by the helixâ€"loopâ€"helix-mediated dimer formation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2107994119.	7.1	2