Robert TampÃ©

List of Publications by Year
in descending order

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313	18,098	13865 67	19190 118
papers	citations	h-index	g-index

340	340	340	16245
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Viral immune evasins impact antigen presentation by allele-specific trapping of MHCÂI at the peptide-loading complex. Scientific Reports, 2022, 12, 1516.	3.3	3
2	Efficient Amber Suppression via Ribosomal Skipping for In Situ Synthesis of Photoconditional Nanobodies. ACS Synthetic Biology, 2022, 11, 1466-1476.	3.8	4
3	Sensitizer-enhanced two-photon patterning of biomolecules in photoinstructive hydrogels. Communications Materials, 2022, 3, .	6.9	6
4	PAKC: A novel panel of HLA class I antigen presentation machinery knockout cells from the same genetic origin. European Journal of Immunology, 2021, 51, 734-737.	2.9	6
5	Light-guided intrabodies for on-demand in situ target recognition in human cells. Chemical Science, 2021, 12, 5787-5795.	7.4	15
6	Photoinduced receptor confinement drives ligand-independent GPCR signaling. Science, 2021, 371, .	12.6	17
7	Die Biochemie-StudiengÃnge bekommen mehr Sichtbarkeit. BioSpektrum, 2021, 27, 119-119.	0.0	0
8	TAP dysfunction in dendritic cells enables noncanonical cross-presentation for T cell priming. Nature Immunology, 2021, 22, 497-509.	14.5	27
9	Light control of the peptide-loading complex synchronizes antigen translocation and MHC I trafficking. Communications Biology, 2021, 4, 430.	4.4	7
10	Single Cell-like Systems Reveal Active Unidirectional and Light-Controlled Transport by Nanomachineries. ACS Nano, 2021, 15, 6747-6755.	14.6	7
11	De novo macrocyclic peptides dissect energy coupling of a heterodimeric ABC transporter by multimode allosteric inhibition. ELife, 2021, 10, .	6.0	10
12	Membrane-Suspended Nanopores in Microchip Arrays for Stochastic Transport Recording and Sensing. Frontiers in Nanotechnology, 2021, 3, .	4.8	2
13	MHC I assembly and peptide editing â€" chaperones, clients, and molecular plasticity in immunity. Current Opinion in Immunology, 2021, 70, 48-56.	5.5	30
14	Fucosylated lipid nanocarriers loaded with antibiotics efficiently inhibit mycobacterial propagation in human myeloid cells. Journal of Controlled Release, 2021, 334, 201-212.	9.9	10
15	Epistatic interactions promote persistence of NS3-Q80K inÂHCV infection by compensating for protein folding instability. Journal of Biological Chemistry, 2021, 297, 101031.	3.4	2
16	Principles of Small-Molecule Transport through Synthetic Nanopores. ACS Nano, 2021, 15, 16194-16206.	14.6	14
17	Structural and functional diversity calls for a new classification of ABC transporters. FEBS Letters, 2020, 594, 3767-3775.	2.8	169
18	Probing fibronectin adsorption on chemically defined surfaces by means of single molecule force microscopy. Scientific Reports, 2020, 10, 15662.	3.3	9

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19	Extended interaction networks with HCV protease NS3-4A substrates explain the lack of adaptive capability against protease inhibitors. Journal of Biological Chemistry, 2020, 295, 13862-13874.	3.4	10
20	Thermodynamic Basis for Conformational Coupling in an ATP-Binding Cassette Exporter. Journal of Physical Chemistry Letters, 2020, 11, 7946-7953.	4.6	13
21	Chemical modification of proteins by insertion of synthetic peptides using tandem protein trans-splicing. Nature Communications, 2020, 11, 2284.	12.8	27
22	A systematic re-examination of processing of MHCI-bound antigenic peptide precursors by endoplasmic reticulum aminopeptidase 1. Journal of Biological Chemistry, 2020, 295, 7193-7210.	3.4	16
23	Ultrafast in-gel detection by fluorescent super-chelator probes with HisQuick-PAGE. Communications Biology, 2020, 3, 138.	4.4	6
24	Molecular analysis of the ribosome recycling factor <scp>ABCE</scp> 1 bound to the 30S postâ€splitting complex. EMBO Journal, 2020, 39, e103788.	7.8	24
25	Structural and Mechanistic Principles of ABC Transporters. Annual Review of Biochemistry, 2020, 89, 605-636.	11.1	252
26	Multifunctional Chaperone and Quality Control Complexes in Adaptive Immunity. Annual Review of Biophysics, 2020, 49, 135-161.	10.0	30
27	A loop structure allows TAPBPR to exert its dual function as MHC I chaperone and peptide editor. ELife, 2020, 9, .	6.0	33
28	A single power stroke by ATP binding drives substrate translocation in a heterodimeric ABC transporter. ELife, 2020, 9, .	6.0	30
29	Peptide translocation by the lysosomal ABC transporter TAPL is regulated by coupling efficiency and activation energy. Scientific Reports, 2019, 9, 11884.	3.3	19
30	Conformation space of a heterodimeric ABC exporter under turnover conditions. Nature, 2019, 571, 580-583.	27.8	185
31	ABCE1 Controls Ribosome Recycling by an Asymmetric Dynamic Conformational Equilibrium. Cell Reports, 2019, 28, 723-734.e6.	6.4	34
32	Ribosome recycling in mRNA translation, quality control, and homeostasis. Biological Chemistry, 2019, 401, 47-61.	2.5	26
33	Synthetic protein-conductive membrane nanopores built with DNA. Nature Communications, 2019, 10, 5018.	12.8	76
34	Optical control of the antigen translocation by synthetic photo-conditional viral inhibitors. Chemical Science, 2019, 10, 2001-2005.	7.4	6
35	Adaptive Immunity Shaped by Large Multiprotein Membrane Complexes. Biophysical Journal, 2019, 116, 13a.	0.5	0
36	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

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37	Multivalent Chelators for Inâ€…Vivo Protein Labeling. Angewandte Chemie - International Edition, 2019, 58, 8278-8290.	13.8	19
38	Synthetic and genetic dimers as quantification ruler for single-molecule counting with PALM. Molecular Biology of the Cell, 2019, 30, 1369-1376.	2.1	24
39	Multivalent Chelators for Inâ€…Vivo Protein Labeling. Angewandte Chemie, 2019, 131, 8364.	2.0	0
40	MHC I chaperone complexes shaping immunity. Current Opinion in Immunology, 2019, 58, 9-15.	5.5	41
41	Modulation of TAP-dependent antigen compartmentalization during human monocyte-to-DC differentiation. Blood Advances, 2019, 3, 839-850.	5.2	11
42	Control of mRNA Translation by Versatile ATP-Driven Machines. Trends in Biochemical Sciences, 2019, 44, 167-180.	7.5	33
43	Superâ€Chelators for Advanced Protein Labeling in Living Cells. Angewandte Chemie - International Edition, 2018, 57, 5620-5625.	13.8	15
44	Interaction of von Willebrand factor domains with collagen investigated by single molecule force spectroscopy. Journal of Chemical Physics, 2018, 148, 123310.	3.0	12
45	Superâ€Chelators for Advanced Protein Labeling in Living Cells. Angewandte Chemie, 2018, 130, 5722-5727.	2.0	4
46	Enhanced labeling density and whole-cell 3D dSTORM imaging by repetitive labeling of target proteins. Scientific Reports, 2018, 8, 5507.	3.3	12
47	Multifaceted structures and mechanisms of ABC transport systems in health and disease. Current Opinion in Structural Biology, 2018, 51, 116-128.	5.7	74
48	Conformational Coupling and trans-Inhibition in the Human Antigen Transporter Ortholog TmrAB Resolved with Dipolar EPR Spectroscopy. Journal of the American Chemical Society, 2018, 140, 4527-4533.	13.7	42
49	Dynamic blue light-switchable protein patterns on giant unilamellar vesicles. Chemical Communications, 2018, 54, 948-951.	4.1	27
50	Frontispiece: Superâ€Chelators for Advanced Protein Labeling in Living Cells. Angewandte Chemie - International Edition, 2018, 57, .	13.8	0
51	Frontispiz: Superâ€Chelators for Advanced Protein Labeling in Living Cells. Angewandte Chemie, 2018, 130, .	2.0	0
52	Structural and functional insights into the interaction and targeting hub TMD0 of the polypeptide transporter TAPL. Scientific Reports, 2018, 8, 15662.	3.3	7
53	RÃ¼cktitelbild: The Scaffold Design of Trivalent Chelator Heads Dictates Affinity and Stability for Labeling His-tagged Proteins in vitro and in Cells (Angew. Chem. 38/2018). Angewandte Chemie, 2018, 130, 12766-12766.	2.0	1
54	The Scaffold Design of Trivalent Chelator Heads Dictates Affinity and Stability for Labeling Hisâ€tagged Proteins in vitro and in Cells. Angewandte Chemie - International Edition, 2018, 57, 12395-12399.	13.8	24

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55	Tris-N-Nitrilotriacetic Acid Fluorophore as a Self-Healing Dye for Single-Molecule Fluorescence Imaging. Journal of the American Chemical Society, 2018, 140, 11006-11012.	13.7	24
56	Interactions of bacteriophage T4 adhesin with selected lipopolysaccharides studied using atomic force microscopy. Scientific Reports, 2018, 8, 10935.	3.3	12
57	Moving the Cellular Peptidome by Transporters. Frontiers in Cell and Developmental Biology, 2018, 6, 43.	3.7	19
58	Transparent Nanopore Cavity Arrays Enable Highly Parallelized Optical Studies of Single Membrane Proteins on Chip. Nano Letters, 2018, 18, 3901-3910.	9.1	16
59	ABC Transporters in Dynamic Macromolecular Assemblies. Journal of Molecular Biology, 2018, 430, 4481-4495.	4.2	29
60	Live-cell labeling of endogenous proteins with nanometer precision by transduced nanobodies. Chemical Science, 2018, 9, 7835-7842.	7.4	24
61	The Scaffold Design of Trivalent Chelator Heads Dictates Affinity and Stability for Labeling Hisâ€tagged Proteins in vitro and in Cells. Angewandte Chemie, 2018, 130, 12575-12579.	2.0	5
62	Ribosome recycling is coordinated by processive events in two asymmetric ATP sites of ABCE1. Life Science Alliance, 2018, 1, e201800095.	2.8	17
63	Mutual A domain interactions in the force sensing protein von Willebrand factor. Journal of Structural Biology, 2017, 197, 57-64.	2.8	46
64	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
65	Vapor Phase Exchange of Self-Assembled Monolayers for Engineering of Biofunctional Surfaces. Langmuir, 2017, 33, 3847-3854.	3.5	7
66	Structure of the 40Sâ€“ABCE1 post-splitting complex in ribosome recycling and translation initiation. Nature Structural and Molecular Biology, 2017, 24, 453-460.	8.2	77
67	Nanomolar affinity protein trans-splicing monitored in real-time by fluorophoreâ€“quencher pairs. Chemical Communications, 2017, 53, 545-548.	4.1	5
68	Structure of the TAPBPRâ€“MHC I complex defines the mechanism of peptide loading and editing. Science, 2017, 358, 1060-1064.	12.6	115
69	Camptothecin and its analog SN-38, the active metabolite of irinotecan, inhibit binding of the transcriptional regulator and oncoprotein FUBP1 to its DNA target sequence FUSE. Biochemical Pharmacology, 2017, 146, 53-62.	4.4	18
70	Molecular mechanisms of fitness compensation in drug resistance-associated NS3 protease variants in hepatitis C. Journal of Hepatology, 2017, 66, S319.	3.7	0
71	Structure of the human MHC-I peptide-loading complex. Nature, 2017, 551, 525-528.	27.8	284
72	Structure and Dynamics of Antigenic Peptides in Complex with TAP. Frontiers in Immunology, 2017, 8, 10.	4.8	32

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73	Proofreading of Peptideâ€"MHC Complexes through Dynamic Multivalent Interactions. Frontiers in Immunology, 2017, 8, 65.	4.8	58
74	Neutralisation of factor VIII inhibitors by anti-idiotypes isolated from phage-displayed libraries. Thrombosis and Haemostasis, 2016, 116, 32-41.	3.4	4
75	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
76	EIGER detector: application in macromolecular crystallography. Acta Crystallographica Section D: Structural Biology, 2016, 72, 1036-1048.	2.3	114
77	A dual inhibition mechanism of herpesviral ICP47 arresting a conformationally thermostable TAP complex. Scientific Reports, 2016, 6, 36907.	3.3	20
78	Coupled ATPase-adenylate kinase activity in ABC transporters. Nature Communications, 2016, 7, 13864.	12.8	45
79	Molecular mechanism of peptide editing in the tapasinâ€"MHC I complex. Scientific Reports, 2016, 6, 19085.	3.3	51
80	Mutual a Domain Interactions in the Force Sensing Protein von Willebrand Factor (VWF). Biophysical Journal, 2016, 110, 496a.	0.5	1
81	Single-molecule FRET reveals the pre-initiation and initiation conformations of influenza virus promoter RNA. Nucleic Acids Research, 2016, 44, gkw884.	14.5	32
82	Antigenic Peptide Recognition on the Human ABC Transporter TAP Resolved by DNP-Enhanced Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2016, 138, 13967-13974.	13.7	42
83	Single molecule force spectroscopy data and BD- and MD simulations on the blood protein von Willebrand factor. Data in Brief, 2016, 8, 1080-1087.	1.0	5
84	EB1 interacts with outwardly curved and straight regions of the microtubule lattice. Nature Cell Biology, 2016, 18, 1102-1108.	10.3	81
85	Structure of the ribosome post-recycling complex probed by chemical cross-linking and mass spectrometry. Nature Communications, 2016, 7, 13248.	12.8	27
86	Membrane Transport Processes Analyzed by a Highly Parallel Nanopore Chip System at Single Protein Resolution. Journal of Visualized Experiments, 2016, , .	0.3	2
87	Nanopore cavity arrays on Silicon-on-Sapphire substrates for optical studies of transport across lipid membranes. , 2016, , .		0
88	â€˜Tracelessâ€™ tracing of proteins â€“ high-affinity trans-splicing directed by a minimal interaction pair. Chemical Science, 2016, 7, 2646-2652.	7.4	28
89	Live-cell protein labelling with nanometre precision by cell squeezing. Nature Communications, 2016, 7, 10372.	12.8	94
90	Membranes on nanopores for multiplexed single-transporter analyses. Mikrochimica Acta, 2016, 183, 965-971.	5.0	8

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91	Titelbild: SLAP: Small Labeling Pair for Single-Molecule Super-Resolution Imaging (Angew. Chem.) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	0
92	Assembly of the MHC I peptide-loading complex determined by a conserved ionic lock-switch. Scientific Reports, 2015, 5, 17341.	3.3	19
93	The transporter associated with antigen processing: a key player in adaptive immunity. Biological Chemistry, 2015, 396, 1059-1072.	2.5	62
94	SLAP: Small Labeling Pair for Singleâ€Molecule Superâ€Resolution Imaging. Angewandte Chemie - International Edition, 2015, 54, 10216-10219.	13.8	41
95	Identifying and quantifying two ligand-binding sites while imaging native human membrane receptors by AFM. Nature Communications, 2015, 6, 8857.	12.8	64
96	A subset of annular lipids is linked to the flippase activity of an ABC transporter. Nature Chemistry, 2015, 7, 255-262.	13.6	112
97	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
98	His-tagged norovirus-like particles: A versatile platform for cellular delivery and surface display. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 96, 22-31.	4.3	39
99	The formation of ordered nanoclusters controls cadherin anchoring to actin and cellâ€“cell contact fluidity. Journal of Cell Biology, 2015, 210, 333-346.	5.2	73
100	Multicolor Fluorescence-Based Screening Toward Structural Analysis of Multiprotein Membrane Complexes. Methods in Enzymology, 2015, 557, 3-26.	1.0	1
101	Ultrasensitive quantification of TAP-dependent antigen compartmentalization in scarce primary immune cell subsets. Nature Communications, 2015, 6, 6199.	12.8	23
102	Mechanistic Basis for Epitope Proofreading in the Peptide-Loading Complex. Journal of Immunology, 2015, 195, 4503-4513.	0.8	43
103	ABC transporters in adaptive immunity. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 449-460.	2.4	51
104	Subnanometre-resolution electron cryomicroscopy structure of a heterodimeric ABC exporter. Nature, 2015, 517, 396-400.	27.8	114
105	Antigen Translocation Machineries in Adaptive Immunity and Viral Immune Evasion. Journal of Molecular Biology, 2015, 427, 1102-1118.	4.2	32
106	An Annular Lipid Belt Is Essential for Allosteric Coupling and Viral Inhibition of the Antigen Translocation Complex TAP (Transporter Associated with Antigen Processing). Journal of Biological Chemistry, 2014, 289, 33098-33108.	3.4	27
107	Assembly and Function of the Major Histocompatibility Complex (MHC) I Peptide-loading Complex Are Conserved Across Higher Vertebrates. Journal of Biological Chemistry, 2014, 289, 33109-33117.	3.4	16
108	A Negative Feedback Modulator of Antigen Processing Evolved from a Frameshift in the Cowpox Virus Genome. PLoS Pathogens, 2014, 10, e1004554.	4.7	18

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109	Mechanistic determinants of the directionality and energetics of active export by a heterodimeric ABC transporter. Nature Communications, 2014, 5, 5419.	12.8	86
110	Single Liposomes Used to Study the Activity of Individual Transporters. Biophysical Journal, 2014, 106, 229a.	0.5	0
111	Live-Cell Targeting of His-Tagged Proteins by Multivalent N-Nitrilotriacetic Acid Carrier Complexes. Journal of the American Chemical Society, 2014, 136, 13975-13978.	13.7	40
112	TLR Signals Induce Phagosomal MHC-I Delivery from the Endosomal Recycling Compartment to Allow Cross-Presentation. Cell, 2014, 158, 506-521.	28.9	270
113	Antigenic and 3D structural characterization of soluble X4 and hybrid X4-R5 HIV-1 Env trimers. Retrovirology, 2014, 11, 42.	2.0	20
114	Highly Parallel Transport Recordings on a Membrane-on-Nanopore Chip at Single Molecule Resolution. Nano Letters, 2014, 14, 1674-1680.	9.1	37
115	Threeâ€Dimensional Protein Networks Assembled by Twoâ€Photon Activation. Angewandte Chemie - International Edition, 2014, 53, 5680-5684.	13.8	23
116	VWF - Collagen Interactions Studied with Single Molecule Force Spectroscopy. Biophysical Journal, 2014, 106, 450a.	0.5	0
117	Dreidimensionale Proteinnetzwerke durch Zweiâ€Photonenâ€•Aktivierung. Angewandte Chemie, 2014, 126, 5787-5791.	2.0	9
118	The MHC I loading complex: a multitasking machinery in adaptive immunity. Trends in Biochemical Sciences, 2013, 38, 412-420.	7.5	117
119	Singleâ€Molecule Analysis of the Recognition Forces Underlying Nucleoâ€Cytoplasmic Transport. Angewandte Chemie - International Edition, 2013, 52, 10356-10359.	13.8	16
120	Control of Nanomolar Interaction and Inâ€…Situ Assembly of Proteins in Four Dimensions by Light. Angewandte Chemie - International Edition, 2013, 52, 848-853.	13.8	31
121	Tying up loose ends: ribosome recycling in eukaryotes and archaea. Trends in Biochemical Sciences, 2013, 38, 64-74.	7.5	64
122	Reversible Biofunctionalization of Surfaces with a Switchable Mutant of Avidin. Bioconjugate Chemistry, 2013, 24, 1656-1668.	3.6	14
123	Singleâ€Molecule Analysis of the Recognition Forces Underlying Nucleoâ€Cytoplasmic Transport. Angewandte Chemie, 2013, 125, 10546-10549.	2.0	7
124	Inâ€Situ Spin Labeling of Hisâ€Tagged Proteins: Distance Measurements under Inâ€Cell Conditions. Chemistry - A European Journal, 2013, 19, 13714-13719.	3.3	13
125	Multicolour Fluorescence-Detection Size-Exclusion Chromatography for Structural Genomics of Membrane Multiprotein Complexes. PLoS ONE, 2013, 8, e67112.	2.5	27
126	Molecular architecture of the MHC I peptideâ€loading complex: one tapasin molecule is essential and sufficient for antigen processing. FASEB Journal, 2012, 26, 5071-5080.	0.5	21

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127	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
128	Integrins Î²1 and Î²3 exhibit distinct dynamic nanoscale organizations inside focal adhesions. Nature Cell Biology, 2012, 14, 1057-1067.	10.3	339
129	Mechanism for Targeting the A-kinase Anchoring Protein AKAP18Î´ to the Membrane. Journal of Biological Chemistry, 2012, 287, 42495-42501.	3.4	20
130	ABC Transporters and Immunity: Mechanism of Self-Defense. Biochemistry, 2012, 51, 4981-4989.	2.5	33
131	Stochastic sensing of proteins with receptor-modified solid-state nanopores. Nature Nanotechnology, 2012, 7, 257-263.	31.5	440
132	The Stalk Domain and the Glycosylation Status of the Activating Natural Killer Cell Receptor NKp30 Are Important for Ligand Binding. Journal of Biological Chemistry, 2012, 287, 31527-31539.	3.4	33
133	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
134	Caged Glutathione â€“ Triggering Protein Interaction by Light. Angewandte Chemie - International Edition, 2012, 51, 3960-3963.	13.8	17
135	Inside Cover: Caged Glutathione â€“ Triggering Protein Interaction by Light (Angew. Chem. Int. Ed.) Tj ETQq1 1 0.784314 rgBT /Overlo	13.8	0
136	Fabs Enable Single Particle cryoEM Studies of Small Proteins. Structure, 2012, 20, 582-592.	3.3	154
137	Quantum-Yield-Optimized Fluorophores for Site-Specific Labeling and Super-Resolution Imaging. Journal of the American Chemical Society, 2011, 133, 8090-8093.	13.7	35
138	Activation of G-Protein-Coupled Receptors in Cell-Derived Plasma Membranes Supported on Porous Beads. Journal of the American Chemical Society, 2011, 133, 16868-16874.	13.7	6
139	Ribosome recycling depends on a mechanistic link between the FeS cluster domain and a conformational switch of the twin-ATPase ABCE1. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3228-3233.	7.1	142
140	Highlight: Membrane transport in light of structure, function, and evolution. Biological Chemistry, 2011, 392, 3.	2.5	0
141	Specific Lipids Modulate the Transporter Associated with Antigen Processing (TAP). Journal of Biological Chemistry, 2011, 286, 13346-13356.	3.4	23
142	Asymmetric ATP Hydrolysis Cycle of the Heterodimeric Multidrug ABC Transport Complex TmrAB from Thermus thermophilus. Journal of Biological Chemistry, 2011, 286, 7104-7115.	3.4	54
143	Conformation of peptides bound to the transporter associated with antigen processing (TAP). Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1349-1354.	7.1	77
144	Epstein-Barr Viral BNLF2a Protein Hijacks the Tail-anchored Protein Insertion Machinery to Block Antigen Processing by the Transport Complex TAP. Journal of Biological Chemistry, 2011, 286, 41402-41412.	3.4	32

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145	Characterization of a transport activity for long-chain peptides in barley mesophyll vacuoles. Journal of Experimental Botany, 2011, 62, 2403-2410.	4.8	16
146	The TAP translocation machinery in adaptive immunity and viral escape mechanisms. Essays in Biochemistry, 2011, 50, 249-264.	4.7	17
147	The Role of the Antigen Translocation Machinery TAP in Adaptive Immunity. , 2011, , 163-180.		0
148	Chemical Tags Mediate the Orthogonal Selfâ€Assembly of DNA Duplexes into Supramolecular Structures. Small, 2010, 6, 1732-1735.	10.0	12
149	Tuning the Cellular Trafficking of the Lysosomal Peptide Transporter TAPL by its N-terminal Domain. Traffic, 2010, 11, 383-393.	2.7	36
150	ABC proteins in antigen translocation and viral inhibition. Nature Chemical Biology, 2010, 6, 572-580.	8.0	106
151	Single residue within the antigen translocation complex TAP controls the epitope repertoire by stabilizing a receptive conformation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9135-9140.	7.1	22
152	The transporter associated with antigen processing (TAP) is active in a post-ER compartment. Journal of Cell Science, 2010, 123, 4271-4279.	2.0	28
153	In situ assembly of macromolecular complexes triggered by light. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6146-6151.	7.1	56
154	Dynamic Superresolution Imaging of Endogenous Proteins on Living Cells at Ultra-High Density. Biophysical Journal, 2010, 99, 1303-1310.	0.5	364
155	Protein resistant oligo(ethylene glycol) terminated self-assembled monolayers of thiols on gold by vapor deposition in vacuum. Biointerphases, 2010, 5, 30-36.	1.6	16
156	Native Laser Lithography of His-Tagged Proteins by Uncaging of Multivalent Chelators. Journal of the American Chemical Society, 2010, 132, 5932-5933.	13.7	39
157	Multiplexed Parallel Single Transport Recordings on Nanopore Arrays. Nano Letters, 2010, 10, 5080-5087.	9.1	65
158	Purification and Reconstitution of the Antigen Transport Complex TAP. Journal of Biological Chemistry, 2009, 284, 33740-33749.	3.4	45
159	The peptide-loading complex â€“ antigen translocation and MHC class I loading. Biological Chemistry, 2009, 390, 783-794.	2.5	28
160	Highlight: The gatekeepers of life yield their secrets. Biological Chemistry, 2009, 390, 673-673.	2.5	0
161	Mitochondrial ABC proteins in health and disease. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 681-690.	1.0	102
162	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

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163	Selectivity of Competitive Multivalent Interactions at Interfaces. ChemBioChem, 2009, 10, 1878-1887.	2.6	18
164	Soluteâ€Binding Sites in ABC Transporters for Recognition, Occlusion and Transâ€Inhibition. ChemMedChem, 2009, 4, 25-28.	3.2	1
165	Cross-presenting human Î³Î´ T cells induce robust CD8 ⁺ Î±Î² T cell responses. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2307-2312.	7.1	229
166	Conformation of Receptor Adopted upon Interaction with Virus Revealed by Site-Specific Fluorescence Quenchers and FRET Analysis. Journal of the American Chemical Society, 2009, 131, 5478-5482.	13.7	22
167	Detection of metal binding sites on functional S-layer nanoarrays using single molecule force spectroscopy. Journal of Structural Biology, 2009, 168, 217-222.	2.8	32
168	Structural arrangement of the transmission interface in the antigen ABC transport complex TAP. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5551-5556.	7.1	86
169	Atomic Force Microscopyâ€Derived Nanoscale Chip for the Detection of Human Pathogenic Viruses. Small, 2008, 4, 847-854.	10.0	17
170	Anchoring of Histidineâ€Tagged Proteins to Molecular Printboards: Selfâ€assembly, Thermodynamic Modeling, and Patterning. Chemistry - A European Journal, 2008, 14, 2044-2051.	3.3	42
171	Inhibition of HIVâ€1 by a Peptide Ligand of the Genomic RNA Packaging Signal Î¨. ChemMedChem, 2008, 3, 749-755.	3.2	39
172	Molecular Selfâ€Assembly, Chemical Lithography, and Biochemical Tweezers: A Path for the Fabrication of Functional Nanometerâ€Scale Protein Arrays. Advanced Materials, 2008, 20, 471-477.	21.0	95
173	Spatial and mechanistic separation of cross-presentation and endogenous antigen presentation. Nature Immunology, 2008, 9, 558-566.	14.5	356
174	Self-Assembled Monolayers Containing Terminal Mono-, Bis-, and Tris-nitrilotriacetic Acid Groups:â€‰ Characterization and Application. Langmuir, 2008, 24, 4959-4967.	3.5	46
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