

Volker Dotsch

List of Publications by Year in descending order

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Version: 2024-02-01

235
papers

16,754
citations

15504

65
h-index

18130

120
g-index

271
all docs

271
docs citations

271
times ranked

18867
citing authors

#	ARTICLE	IF	CITATIONS
1	A dimerization-dependent mechanism regulates enzymatic activation and nuclear entry of PLK1. <i>Oncogene</i> , 2022, 41, 372-386.	5.9	10
2	Applications of Cell-Free Synthesized Membrane Protein Precipitates. <i>Methods in Molecular Biology</i> , 2022, 2406, 245-266.	0.9	1
3	Disease-linked TDP43 hyperphosphorylation suppresses TDP43 condensation and aggregation. <i>EMBO Journal</i> , 2022, 41, e108443.	7.8	68
4	Kinase domain autophosphorylation rewires the activity and substrate specificity of CK1 enzymes. <i>Molecular Cell</i> , 2022, 82, 2006-2020.e8.	9.7	12
5	Enhanced pro-apoptosis gene signature following the activation of TAp63 β in oocytes upon γ irradiation. <i>Cell Death and Disease</i> , 2022, 13, 204.	6.3	5
6	Structural diversity of p63 and p73 isoforms. <i>Cell Death and Differentiation</i> , 2022, 29, 921-937.	11.2	22
7	Kinase Domain Autophosphorylation Rewires the Activity and Substrate Specificity of CK1 Enzymes. <i>FASEB Journal</i> , 2022, 36, .	0.5	1
8	Biochemical Characterization of Cell-free Synthesized Human β 21 Adrenergic Receptor Cotranslationally Inserted into Nanodiscs. <i>Journal of Molecular Biology</i> , 2022, 434, 167687.	4.2	7
9	Designed Ankyrin Repeat Proteins as a tool box for analyzing p63. <i>Cell Death and Differentiation</i> , 2022, 29, 2445-2458.	11.2	3
10	In-cell NMR Spectroscopy of Functional Riboswitch Aptamers in Eukaryotic Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 865-872.	13.8	19
11	Membrane insertion mechanism and molecular assembly of the bacteriophage lysis toxin λ X174. <i>FEBS Journal</i> , 2021, 288, 3300-3316.	4.7	6
12	In-cell NMR Spectroscopy of Functional Riboswitch Aptamers in Eukaryotic Cells. <i>Angewandte Chemie</i> , 2021, 133, 878-885.	2.0	6
13	Isoform-Specific Roles of Mutant p63 in Human Diseases. <i>Cancers</i> , 2021, 13, 536.	3.7	15
14	Screening Methods for Cell-Free Synthesized GPCR/Nanoparticle Samples. <i>Methods in Molecular Biology</i> , 2021, 2268, 97-117.	0.9	2
15	The p63 C-terminus is essential for murine oocyte integrity. <i>Nature Communications</i> , 2021, 12, 383.	12.8	23
16	The UBA domain of conjugating enzyme Ubc1/Ube2K facilitates assembly of K48/K63-branched ubiquitin chains. <i>EMBO Journal</i> , 2021, 40, e106094.	7.8	25
17	Characterization of a natural variant of human NDP52 and its functional consequences on mitophagy. <i>Cell Death and Differentiation</i> , 2021, 28, 2499-2516.	11.2	12
18	Demonstrating Ligandability of the LC3A and LC3B Adapter Interface. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3720-3746.	6.4	22

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19	Design, Synthesis, and Evaluation of WD-Repeat-Containing Protein 5 (WDR5) Degraders. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 10682-10710.	6.4	38
20	Mechanisms of quality control differ in male and female germ cells. <i>Cell Death and Differentiation</i> , 2021, 28, 2300-2302.	11.2	4
21	A Concerted Action of UBA5 C-Terminal Unstructured Regions Is Important for Transfer of Activated UFM1 to UFC1. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7390.	4.1	7
22	An atypical LIR motif within UBA5 (ubiquitin like modifier activating enzyme 5) interacts with GABARAP proteins and mediates membrane localization of UBA5. <i>Autophagy</i> , 2020, 16, 256-270.	9.1	41
23	A TP63 Mutation Causes Prominent Alopecia with Mild Ectodermal Dysplasia. <i>Journal of Investigative Dermatology</i> , 2020, 140, 1103-1106.e4.	0.7	2
24	Regulation of Phosphoribosyl-Linked Serine Ubiquitination by Deubiquitinases DupA and DupB. <i>Molecular Cell</i> , 2020, 77, 164-179.e6.	9.7	91
25	DNA Damaged Induced Cell Death in Oocytes. <i>Molecules</i> , 2020, 25, 5714.	3.8	30
26	Discovery of Protein-Protein Interaction Inhibitors by Integrating Protein Engineering and Chemical Screening Platforms. <i>Cell Chemical Biology</i> , 2020, 27, 1441-1451.e7.	5.2	13
27	Ubiquitination in the ERAD Process. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5369.	4.1	36
28	p63 uses a switch-like mechanism to set the threshold for induction of apoptosis. <i>Nature Chemical Biology</i> , 2020, 16, 1078-1086.	8.0	28
29	Oxygen-dependent asparagine hydroxylation of the ubiquitin-associated (UBA) domain in Cezanne regulates ubiquitin binding. <i>Journal of Biological Chemistry</i> , 2020, 295, 2160-2174.	3.4	13
30	Co-translational Insertion of Membrane Proteins into Preformed Nanodiscs. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	0
31	TA [*] p63 and GTAp63 achieve tighter transcriptional regulation in quality control by converting an inhibitory element into an additional transactivation domain. <i>Cell Death and Disease</i> , 2019, 10, 686.	6.3	10
32	Selective autophagy maintains centrosome integrity and accurate mitosis by turnover of centriolar satellites. <i>Nature Communications</i> , 2019, 10, 4176.	12.8	61
33	LILBID and nESI: Different Native Mass Spectrometry Techniques as Tools in Structural Biology. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 181-191.	2.8	33
34	Deletions and loss-of-function variants in TP63 associated with orofacial clefting. <i>European Journal of Human Genetics</i> , 2019, 27, 1101-1112.	2.8	16
35	Towards complete polypeptide backbone NH assignment via combinatorial labeling. <i>Journal of Magnetic Resonance</i> , 2019, 302, 50-63.	2.1	7
36	Cell cycle arrest in mitosis promotes interferon-induced necroptosis. <i>Cell Death and Differentiation</i> , 2019, 26, 2046-2060.	11.2	36

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37	Synthetic Biology-Based Solution NMR Studies on Membrane Proteins in Lipid Environments. <i>Methods in Enzymology</i> , 2019, 614, 143-185.	1.0	4
38	Rat Organic Cation Transporter 1 Contains Three Binding Sites for Substrate 1-Methyl-4-phenylpyridinium per Monomer. <i>Molecular Pharmacology</i> , 2019, 95, 169-182.	2.3	28
39	Oocyte DNA damage quality control requires consecutive interplay of CHK2 and CK1 to activate p63. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 261-269.	8.2	112
40	CHK2 sets the stage for CK1 in oocyte quality control. <i>Cell Death and Differentiation</i> , 2018, 25, 1007-1009.	11.2	2
41	Systematic optimization of cell-free synthesized human endothelin B receptor folding. <i>Methods</i> , 2018, 147, 73-83.	3.8	25
42	Protein aggregation of the p63 transcription factor underlies severe skin fragility in AEC syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E906-E915.	7.1	26
43	Chain Assembly and Disassembly Processes Differently Affect the Conformational Space of Ubiquitin Chains. <i>Structure</i> , 2018, 26, 249-258.e4.	3.3	16
44	Non-oncogenic roles of TAp73: from multiciliogenesis to metabolism. <i>Cell Death and Differentiation</i> , 2018, 25, 144-153.	11.2	63
45	The <i>E. coli</i> S30 lysate proteome: A prototype for cell-free protein production. <i>New Biotechnology</i> , 2018, 40, 245-260.	4.4	54
46	Protein labeling strategies for liquid-state NMR spectroscopy using cell-free synthesis. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2018, 105, 1-22.	7.5	26
47	Structural and functional insights into the interaction and targeting hub TMD0 of the polypeptide transporter TAPL. <i>Scientific Reports</i> , 2018, 8, 15662.	3.3	7
48	Lipid Conversion by Cell-Free Synthesized Phospholipid Methyltransferase Opi3 in Defined Nanodisc Membranes Supports an <i>in Trans</i> Mechanism. <i>Biochemistry</i> , 2018, 57, 5780-5784.	2.5	9
49	Molecular Determinants for Ligand Selectivity of the Cell-Free Synthesized Human Endothelin B Receptor. <i>Journal of Molecular Biology</i> , 2018, 430, 5105-5119.	4.2	6
50	HUWE1 E3 ligase promotes PINK1/PARKIN-independent mitophagy by regulating AMBRA1 activation via IKK $\hat{\pm}$. <i>Nature Communications</i> , 2018, 9, 3755.	12.8	198
51	Donated chemical probes for open science. <i>ELife</i> , 2018, 7, .	6.0	80
52	Regulation of the Activity in the p53 Family Depends on the Organization of the Transactivation Domain. <i>Structure</i> , 2018, 26, 1091-1100.e4.	3.3	18
53	Structural investigation of glycan recognition by the ERAD quality control lectin Yos9. <i>Journal of Biomolecular NMR</i> , 2018, 72, 1-10.	2.8	5
54	Precursor-Based Selective Methyl Labeling of Cell-Free Synthesized Proteins. <i>ACS Chemical Biology</i> , 2018, 13, 2170-2178.	3.4	11

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55	Structural Evolution and Dynamics of the p53 Proteins. Cold Spring Harbor Perspectives in Medicine, 2017, 7, a028308.	6.2	41
56	Phosphorylation of the mitochondrial autophagy receptor Nix enhances its interaction with LC3 proteins. Scientific Reports, 2017, 7, 1131.	3.3	203
57	From Gene to Function: Cell-Free Electrophysiological and Optical Analysis of Ion Pumps in Nanodiscs. Biophysical Journal, 2017, 113, 1331-1341.	0.5	24
58	Apoptosis inhibitor 5 is an endogenous inhibitor of caspase-2. EMBO Reports, 2017, 18, 733-744.	4.5	34
59	Fluorescence-based ATG8 sensors monitor localization and function of LC3/GABARAP proteins. EMBO Journal, 2017, 36, 549-564.	7.8	49
60	Acceleration of protein backbone NMR assignment by combinatorial labeling: application to a small molecule binding study. Biopolymers, 2017, 107, e23013.	2.4	9
61	Insights into Cotranslational Membrane Protein Insertion by Combined LILBID-Mass Spectrometry and NMR Spectroscopy. Analytical Chemistry, 2017, 89, 12314-12318.	6.5	20
62	Site-specific inhibition of the small ubiquitin-like modifier (SUMO)-conjugating enzyme Ubc9 selectively impairs SUMO chain formation. Journal of Biological Chemistry, 2017, 292, 15340-15351.	3.4	28
63	Control mechanisms in germ cells mediated by p53 family proteins. Journal of Cell Science, 2017, , .	2.0	26
64	Structural and functional analysis of the GABARAP interaction motif (GIM). EMBO Reports, 2017, 18, 1382-1396.	4.5	129
65	The synaptic vesicle protein SV31 assembles into a dimer and transports Zn ²⁺ . Journal of Neurochemistry, 2017, 140, 280-293.	3.9	19
66	Structural and functional dissection of the DH and PH domains of oncogenic Bcr-Abl tyrosine kinase. Nature Communications, 2017, 8, 2101.	12.8	33
67	Analyzing native membrane protein assembly in nanodiscs by combined non-covalent mass spectrometry and synthetic biology. ELife, 2017, 6, .	6.0	75
68	Mechanism of TAp73 inhibition by $\hat{\gamma}$ Np63 and structural basis of p63/p73 hetero-tetramerization. Cell Death and Differentiation, 2016, 23, 1930-1940.	11.2	29
69	From Nanodiscs to Isotropic Bicelles: A Procedure for Solution Nuclear Magnetic Resonance Studies of Detergent-Sensitive Integral Membrane Proteins. Structure, 2016, 24, 1830-1841.	3.3	29
70	Intrinsic aggregation propensity of the p63 and p73 TI domains correlates with p53R175H interaction and suggests further significance of aggregation events in the p53 family. Cell Death and Differentiation, 2016, 23, 1952-1960.	11.2	43
71	Combining <i>in Vitro</i> Folding with Cell Free Protein Synthesis for Membrane Protein Expression. Biochemistry, 2016, 55, 4212-4219.	2.5	36
72	Structural investigations of the p53/p73 homologs from the tunicate species <i>Ciona intestinalis</i> reveal the sequence requirements for the formation of a tetramerization domain. Protein Science, 2016, 25, 410-422.	7.6	6

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73	The CUE Domain of Cue1 Aligns Growing Ubiquitin Chains with Ubc7 for Rapid Elongation. <i>Molecular Cell</i> , 2016, 62, 918-928.	9.7	34
74	Co-translational formation and pharmacological characterization of beta1-adrenergic receptor/nanodisc complexes with different lipid environments. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1306-1316.	2.6	53
75	Lipid Requirements for the Enzymatic Activity of MraY Translocases and in Vitro Reconstitution of the Lipid II Synthesis Pathway. <i>Journal of Biological Chemistry</i> , 2016, 291, 2535-2546.	3.4	57
76	Quality control in oocytes by p63 is based on a spring-loaded activation mechanism on the molecular and cellular level. <i>ELife</i> , 2016, 5, .	6.0	52
77	FAM96A is a novel pro-apoptotic tumor suppressor in gastrointestinal stromal tumors. <i>International Journal of Cancer</i> , 2015, 137, 1318-1329.	5.1	25
78	An extended combinatorial ^{15}N , ^{13}C , and ^{13}C labeling approach to protein backbone resonance assignment. <i>Journal of Biomolecular NMR</i> , 2015, 62, 263-279.	2.8	15
79	Labeling of Membrane Proteins by Cell-Free Expression. <i>Methods in Enzymology</i> , 2015, 565, 367-388.	1.0	13
80	Assembling a Correctly Folded and Functional Heptahelical Membrane Protein by Protein Trans-splicing. <i>Journal of Biological Chemistry</i> , 2015, 290, 27712-27722.	3.4	9
81	CUL3-KBTBD6/KBTBD7 Ubiquitin Ligase Cooperates with GABARAP Proteins to Spatially Restrict TIAM1-RAC1 Signaling. <i>Molecular Cell</i> , 2015, 57, 995-1010.	9.7	74
82	Structure and Biophysical Characterization of the S-Adenosylmethionine-dependent O-Methyltransferase PaMTH1, a Putative Enzyme Accumulating during Senescence of <i>Podospira anserina</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 16415-16430.	3.4	20
83	Screening for Lipid Requirements of Membrane Proteins by Combining Cell-Free Expression with Nanodiscs. <i>Methods in Enzymology</i> , 2015, 556, 351-369.	1.0	30
84	Membrane protein production in <i>Escherichia coli</i> cell-free lysates. <i>FEBS Letters</i> , 2015, 589, 1713-1722.	2.8	76
85	Biosynthesis of membrane dependent proteins in insect cell lysates: identification of limiting parameters for folding and processing. <i>Biological Chemistry</i> , 2015, 396, 1097-1107.	2.5	23
86	Probing metallo- β -lactamases with molecular fragments identified by consensus docking. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 5243-5246.	2.2	18
87	TECPR2 Cooperates with LC3C to Regulate COPII-Dependent ER Export. <i>Molecular Cell</i> , 2015, 60, 89-104.	9.7	111
88	Co-translational Stabilization of Insoluble Proteins in Cell-Free Expression Systems. <i>Methods in Molecular Biology</i> , 2015, 1258, 125-143.	0.9	12
89	Cell-Free Expression of G-Protein-Coupled Receptors. <i>Methods in Molecular Biology</i> , 2015, 1261, 171-195.	0.9	16
90	Hydrophobic supplements in cell-free systems: Designing artificial environments for membrane proteins. <i>Engineering in Life Sciences</i> , 2014, 14, 365-379.	3.6	35

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91	Cell-free expression of G-protein coupled receptors: new pipelines for challenging targets. <i>Biological Chemistry</i> , 2014, 395, 1425-1434.	2.5	11
92	Crystal Structure of a PCP/Sfp Complex Reveals the Structural Basis for Carrier Protein Posttranslational Modification. <i>Chemistry and Biology</i> , 2014, 21, 552-562.	6.0	37
93	Peak picking NMR spectral data using non-negative matrix factorization. <i>BMC Bioinformatics</i> , 2014, 15, 46.	2.6	17
94	Interactions between Autophagy Receptors and Ubiquitin-like Proteins Form the Molecular Basis for Selective Autophagy. <i>Molecular Cell</i> , 2014, 53, 167-178.	9.7	849
95	High-Level Cell-Free Production of Membrane Proteins with Nanodiscs. <i>Methods in Molecular Biology</i> , 2014, 1118, 109-130.	0.9	16
96	Cell-free expression and in meso crystallisation of an integral membrane kinase for structure determination. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 4895-4910.	5.4	32
97	Inâ€Cell NMR and EPR Spectroscopy of Biomacromolecules. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10300-10314.	13.8	91
98	Stabilisation and characterisation of the isolated regulatory domain of human 5-lipoxygenase. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 1538-1547.	2.4	11
99	Time-shared experiments for efficient assignment of triple-selectively labeled proteins. <i>Journal of Magnetic Resonance</i> , 2014, 248, 81-95.	2.1	13
100	Membrane Protein Quality Control in Cell-Free Expression Systems: Tools, Strategies and Case Studies. , 2014, , 45-70.		4
101	Co-translational association of cell-free expressed membrane proteins with supplied lipid bilayers. <i>Molecular Membrane Biology</i> , 2013, 30, 75-89.	2.0	54
102	Conformational stabilization of the membrane embedded targeting domain of the lysosomal peptide transporter TAPL for solution NMR. <i>Journal of Biomolecular NMR</i> , 2013, 57, 141-154.	2.8	6
103	Modified lipid and protein dynamics in nanodiscs. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1222-1229.	2.6	67
104	High-Resolution Insight into G-Overhang Architecture. <i>Journal of the American Chemical Society</i> , 2013, 135, 2816-2824.	13.7	103
105	Functional properties of cell-free expressed human endothelin A and endothelin B receptors in artificial membrane environments. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 2182-2192.	2.6	58
106	Molecular Crowding Drives Active Pin1 into Nonspecific Complexes with Endogenous Proteins Prior to Substrate Recognition. <i>Journal of the American Chemical Society</i> , 2013, 135, 13796-13803.	13.7	76
107	Structural basis for phosphorylation-triggered autophagic clearance of <i>Salmonella</i> . <i>Biochemical Journal</i> , 2013, 454, 459-466.	3.7	92
108	Endoplasmic Reticulum Targeting and Insertion of Tail-Anchored Membrane Proteins by the GET Pathway. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a013334-a013334.	5.5	64

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109	SPLICEFINDER – A Fast and Easy Screening Method for Active Protein Trans-Splicing Positions. PLoS ONE, 2013, 8, e72925.	2.5	8
110	Artificial Environments for the Co-Translational Stabilization of Cell-Free Expressed Proteins. PLoS ONE, 2013, 8, e56637.	2.5	29
111	How to switch a master switch. ELife, 2013, 2, e01159.	6.0	3
112	Loss of p63 and its microRNA-205 target results in enhanced cell migration and metastasis in prostate cancer. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15312-15317.	7.1	251
113	A method for integrative structure determination of protein-protein complexes. Bioinformatics, 2012, 28, 3282-3289.	4.1	78
114	Characterization of co-translationally formed nanodisc complexes with small multidrug transporters, proteorhodopsin and with the E. coli MraY translocase. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 3098-3106.	2.6	67
115	Characterization of the ground state dynamics of proteorhodopsin by NMR and optical spectroscopies. Journal of Biomolecular NMR, 2012, 54, 401-413.	2.8	10
116	Cell-free expression of human glucosamine 6-phosphate N-acetyltransferase (HsGNA1) for inhibitor screening. Protein Expression and Purification, 2012, 86, 120-126.	1.3	6
117	A systematic approach to increase the efficiency of membrane protein production in cell-free expression systems. Protein Expression and Purification, 2012, 82, 308-316.	1.3	62
118	Single-Molecule Force Spectroscopy from Nanodiscs: An Assay to Quantify Folding, Stability, and Interactions of Native Membrane Proteins. ACS Nano, 2012, 6, 961-971.	14.6	47
119	Investigation of Quadruplex Structure Under Physiological Conditions Using In-Cell NMR. Topics in Current Chemistry, 2012, 330, 47-65.	4.0	24
120	Characterization of Molecular Interactions between ACP and Halogenase Domains in the Curacin A Polyketide Synthase. ACS Chemical Biology, 2012, 7, 378-386.	3.4	35
121	Systems for the Cell-Free Synthesis of Proteins. Methods in Molecular Biology, 2012, 800, 201-225.	0.9	37
122	Caspase-2 is an initiator caspase responsible for pore-forming toxin-mediated apoptosis. EMBO Journal, 2012, 31, 2615-2628.	7.8	81
123	Combinatorial triple-selective labeling as a tool to assist membrane protein backbone resonance assignment. Journal of Biomolecular NMR, 2012, 52, 197-210.	2.8	27
124	Fast Automated NMR Spectroscopy of Short-Lived Biological Samples. ChemBioChem, 2012, 13, 964-967.	2.6	2
125	A Universal Expression Tag for Structural and Functional Studies of Proteins. ChemBioChem, 2012, 13, 959-963.	2.6	38
126	Requirements on Paramagnetic Relaxation Enhancement Data for Membrane Protein Structure Determination by NMR. Structure, 2012, 20, 1019-1027.	3.3	35

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127	In-cell Solid-state NMR as a Tool to Study Proteins in Large Complexes. <i>ChemBioChem</i> , 2012, 13, 534-537.	2.6	53
128	Phosphorylation of the Autophagy Receptor Optineurin Restricts <i>Salmonella</i> Growth. <i>Science</i> , 2011, 333, 228-233.	12.6	1,125
129	DNA Damage in Oocytes Induces a Switch of the Quality Control Factor TAp63 from Dimer to Tetramer. <i>Cell</i> , 2011, 144, 566-576.	28.9	117
130	Rapid identification of protein-protein interfaces for the construction of a complex model based on multiple unassigned signals by using time-sharing NMR measurements. <i>Journal of Structural Biology</i> , 2011, 174, 434-442.	2.8	4
131	Characterization of the Interaction of GABARAPL-1 with the LIR Motif of NBR1. <i>Journal of Molecular Biology</i> , 2011, 410, 477-487.	4.2	86
132	Cell-Free Expression and Assembly of ATP Synthase. <i>Journal of Molecular Biology</i> , 2011, 413, 593-603.	4.2	81
133	Structural Basis for Tail-Anchored Membrane Protein Biogenesis by the Get3-Receptor Complex. <i>Science</i> , 2011, 333, 758-762.	12.6	110
134	Structural Insights into Rcs Phosphotransfer: The Newly Identified RcsD-ABL Domain Enhances Interaction with the Response Regulator RcsB. <i>Structure</i> , 2011, 19, 577-587.	3.3	14
135	How to Create a Specific Recognition for an Unspecific Interaction. <i>Structure</i> , 2011, 19, 601-602.	3.3	3
136	Optimization of amino acid type-specific ¹³ C and ¹⁵ N labeling for the backbone assignment of membrane proteins by solution- and solid-state NMR with the UPLABEL algorithm. <i>Journal of Biomolecular NMR</i> , 2011, 49, 75-84.	2.8	41
137	Improved accuracy in measuring one-bond and two-bond ¹⁵ N, ¹³ C coupling constants in proteins by double-inphase/antiphase (DIPAP) spectroscopy. <i>Journal of Biomolecular NMR</i> , 2011, 50, 167-190.	2.8	6
138	Advances in cell-free protein synthesis for the functional and structural analysis of membrane proteins. <i>New Biotechnology</i> , 2011, 28, 262-271.	4.4	92
139	Phenotypic analysis of Arg227 mutations of <i>TP63</i> with emphasis on dental phenotype and micturition difficulties in EEC syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2011, 155, 228-232.	1.2	14
140	Mutation in SAM domain of <i>TP63</i> is associated with nonsyndromic cleft lip and palate and cleft palate. <i>American Journal of Medical Genetics, Part A</i> , 2011, 155, 1432-1436.	1.2	11
141	Long-Range Distance Measurements on Nucleic Acids in Cells by Pulsed EPR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5070-5074.	13.8	163
142	Solution NMR Structure of Proteorhodopsin. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11942-11946.	13.8	162
143	The Large Extracellular Loop of Organic Cation Transporter 1 Influences Substrate Affinity and Is Pivotal for Oligomerization. <i>Journal of Biological Chemistry</i> , 2011, 286, 37874-37886.	3.4	64
144	Quality control in oocytes: Domain-domain interactions regulate the activity of p63. <i>Cell Cycle</i> , 2011, 10, 1884-1885.	2.6	15

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145	Preparative Scale Cell-free Production and Quality Optimization of MraY Homologues in Different Expression Modes. <i>Journal of Biological Chemistry</i> , 2011, 286, 38844-38853.	3.4	54
146	Functional Expression of the PorAH Channel from <i>Corynebacterium glutamicum</i> in Cell-free Expression Systems. <i>Journal of Biological Chemistry</i> , 2011, 286, 32525-32532.	3.4	27
147	A Disulfide Bridge Network within the Soluble Periplasmic Domain Determines Structure and Function of the Outer Membrane Protein RCSF. <i>Journal of Biological Chemistry</i> , 2011, 286, 18775-18783.	3.4	36
148	The parallel G-quadruplex structure of vertebrate telomeric repeat sequences is not the preferred folding topology under physiological conditions. <i>Nucleic Acids Research</i> , 2011, 39, 5768-5775.	14.5	143
149	Differential altered stability and transcriptional activity of $\hat{1}^{\text{Np63}}$ mutants in distinct ectodermal dysplasias. <i>Journal of Cell Science</i> , 2011, 124, 2200-2207.	2.0	56
150	Cell-free expression and stable isotope labelling strategies for membrane proteins. <i>Journal of Biomolecular NMR</i> , 2010, 46, 33-43.	2.8	81
151	Cell-free expression profiling of <i>E. coli</i> inner membrane proteins. <i>Proteomics</i> , 2010, 10, 1762-1779.	2.2	32
152	Nix is a selective autophagy receptor for mitochondrial clearance. <i>EMBO Reports</i> , 2010, 11, 45-51.	4.5	1,045
153	Preparative Scale Production of Functional Mouse Aquaporin 4 Using Different Cell-Free Expression Modes. <i>PLoS ONE</i> , 2010, 5, e12972.	2.5	41
154	Structural investigation of the C-terminal catalytic fragment of presenilin 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9644-9649.	7.1	72
155	The Molecular Pharmacology and In Vivo Activity of 2-(4-Chloro-6-(2,3-dimethylphenylamino)pyrimidin-2-ylthio)octanoic acid (YS121), a Dual Inhibitor of Microsomal Prostaglandin E ₂ Synthase-1 and 5-Lipoxygenase. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 332, 840-848.	2.5	49
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