

# Volker Dotsch

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

232  
papers

13,824  
citations

60  
h-index

111  
g-index

271  
ext. papers

15,491  
ext. citations

8.6  
avg, IF

6.14  
L-index

#	Paper	IF	Citations
232	Applications of Cell-Free Synthesized Membrane Protein Precipitates.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2406, 245-266	1.4	
231	Disease-linked TDP-43 hyperphosphorylation suppresses TDP-43 condensation and aggregation.. <i>EMBO Journal</i> , <b>2022</b> , e108443	13	7
230	Enhanced pro-apoptosis gene signature following the activation of TP63 in oocytes upon $\gamma$ irradiation.. <i>Cell Death and Disease</i> , <b>2022</b> , 13, 204	9.8	1
229	Cell-Free Expression of GPCRs into Nanomembranes for Functional and Structural Studies. <i>Methods in Molecular Biology</i> , <b>2022</b> , 405-424	1.4	0
228	Characterization of a natural variant of human NDP52 and its functional consequences on mitophagy. <i>Cell Death and Differentiation</i> , <b>2021</b> , 28, 2499-2516	12.7	4
227	Demonstrating Ligandability of the LC3A and LC3B Adapter Interface. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 3720-3746	8.3	4
226	Design, Synthesis, and Evaluation of WD-Repeat-Containing Protein 5 (WDR5) Degraders. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 10682-10710	8.3	9
225	Mechanisms of quality control differ in male and female germ cells. <i>Cell Death and Differentiation</i> , <b>2021</b> , 28, 2300-2302	12.7	1
224	In-Cell NMR Spectroscopy of Functional Riboswitch Aptamers in Eukaryotic Cells. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 865-872	16.4	11
223	Membrane insertion mechanism and molecular assembly of the bacteriophage lysis toxin $\phi$ 174-E. <i>FEBS Journal</i> , <b>2021</b> , 288, 3300-3316	5.7	2
222	In-Cell NMR Spectroscopy of Functional Riboswitch Aptamers in Eukaryotic Cells. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 878-885	3.6	0
221	Isoform-Specific Roles of Mutant p63 in Human Diseases. <i>Cancers</i> , <b>2021</b> , 13,	6.6	3
220	Screening Methods for Cell-Free Synthesized GPCR/Nanoparticle Samples. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2268, 97-117	1.4	0
219	The p63 C-terminus is essential for murine oocyte integrity. <i>Nature Communications</i> , <b>2021</b> , 12, 383	17.4	9
218	The UBA domain of conjugating enzyme Ubc1/Ube2K facilitates assembly of K48/K63-branched ubiquitin chains. <i>EMBO Journal</i> , <b>2021</b> , 40, e106094	13	7
217	Oxygen-dependent asparagine hydroxylation of the ubiquitin-associated (UBA) domain in Cezanne regulates ubiquitin binding. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 2160-2174	5.4	6
216	A TP63 Mutation Causes Prominent Alopecia with Mild Ectodermal Dysplasia. <i>Journal of Investigative Dermatology</i> , <b>2020</b> , 140, 1103-1106.e4	4.3	1

215	Regulation of Phosphoribosyl-Linked Serine Ubiquitination by Deubiquitinases DupA and DupB. <i>Molecular Cell</i> , <b>2020</b> , 77, 164-179.e6	17.6	43
214	DNA Damaged Induced Cell Death in Oocytes. <i>Molecules</i> , <b>2020</b> , 25,	4.8	10
213	Discovery of Protein-Protein Interaction Inhibitors by Integrating Protein Engineering and Chemical Screening Platforms. <i>Cell Chemical Biology</i> , <b>2020</b> , 27, 1441-1451.e7	8.2	7
212	Ubiquitination in the ERAD Process. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	10
211	p63 uses a switch-like mechanism to set the threshold for induction of apoptosis. <i>Nature Chemical Biology</i> , <b>2020</b> , 16, 1078-1086	11.7	9
210	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> , <b>2020</b> , 16, 256-270	10.2	16
209	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> , <b>2019</b> , 10, 686	9.8	4
208	Selective autophagy maintains centrosome integrity and accurate mitosis by turnover of centriolar satellites. <i>Nature Communications</i> , <b>2019</b> , 10, 4176	17.4	32
207	LILBID and nESI: Different Native Mass Spectrometry Techniques as Tools in Structural Biology. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2019</b> , 30, 181-191	3.5	21
206	Deletions and loss-of-function variants in TP63 associated with orofacial clefting. <i>European Journal of Human Genetics</i> , <b>2019</b> , 27, 1101-1112	5.3	7
205	Towards complete polypeptide backbone NH assignment via combinatorial labeling. <i>Journal of Magnetic Resonance</i> , <b>2019</b> , 302, 50-63	3	3
204	Cell cycle arrest in mitosis promotes interferon-induced necroptosis. <i>Cell Death and Differentiation</i> , <b>2019</b> , 26, 2046-2060	12.7	20
203	Synthetic Biology-Based Solution NMR Studies on Membrane Proteins in Lipid Environments. <i>Methods in Enzymology</i> , <b>2019</b> , 614, 143-185	1.7	4
202	Rat Organic Cation Transporter 1 Contains Three Binding Sites for Substrate 1-Methyl-4-phenylpyridinium per Monomer. <i>Molecular Pharmacology</i> , <b>2019</b> , 95, 169-182	4.3	19
201	Oocyte DNA damage quality control requires consecutive interplay of CHK2 and CK1 to activate p63. <i>Nature Structural and Molecular Biology</i> , <b>2018</b> , 25, 261-269	17.6	66
200	CHK2 sets the stage for CK1 in oocyte quality control. <i>Cell Death and Differentiation</i> , <b>2018</b> , 25, 1007-1009	2.7	2
199	Systematic optimization of cell-free synthesized human endothelin B receptor folding. <i>Methods</i> , <b>2018</b> , 147, 73-83	4.6	14
198	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> , <b>2018</b> , 115, E906-E915	11.5	19

197	Chain Assembly and Disassembly Processes Differently Affect the Conformational Space of Ubiquitin Chains. <i>Structure</i> , <b>2018</b> , 26, 249-258.e4	5.2	11
196	Non-oncogenic roles of TAp73: from multiciliogenesis to metabolism. <i>Cell Death and Differentiation</i> , <b>2018</b> , 25, 144-153	12.7	48
195	The E. coli S30 lysate proteome: A prototype for cell-free protein production. <i>New Biotechnology</i> , <b>2018</b> , 40, 245-260	6.4	34
194	Structural investigation of glycan recognition by the ERAD quality control lectin Yos9. <i>Journal of Biomolecular NMR</i> , <b>2018</b> , 72, 1-10	3	4
193	Precursor-Based Selective Methyl Labeling of Cell-Free Synthesized Proteins. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 2170-2178	4.9	7
192	Protein labeling strategies for liquid-state NMR spectroscopy using cell-free synthesis. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , <b>2018</b> , 105, 1-22	10.4	16
191	Structural and functional insights into the interaction and targeting hub TMD0 of the polypeptide transporter TAPL. <i>Scientific Reports</i> , <b>2018</b> , 8, 15662	4.9	6
190	Lipid Conversion by Cell-Free Synthesized Phospholipid Methyltransferase Opi3 in Defined Nanodisc Membranes Supports an in Trans Mechanism. <i>Biochemistry</i> , <b>2018</b> , 57, 5780-5784	3.2	6
189	Molecular Determinants for Ligand Selectivity of the Cell-Free Synthesized Human Endothelin B Receptor. <i>Journal of Molecular Biology</i> , <b>2018</b> , 430, 5105-5119	6.5	3
188	HUWE1 E3 ligase promotes PINK1/PARKIN-independent mitophagy by regulating AMBRA1 activation via IKK $\beta$ . <i>Nature Communications</i> , <b>2018</b> , 9, 3755	17.4	115
187	Donated chemical probes for open science. <i>ELife</i> , <b>2018</b> , 7,	8.9	48
186	Regulation of the Activity in the p53 Family Depends on the Organization of the Transactivation Domain. <i>Structure</i> , <b>2018</b> , 26, 1091-1100.e4	5.2	10
185	Structural Evolution and Dynamics of the p53 Proteins. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2017</b> , 7,	5.4	29
184	Phosphorylation of the mitochondrial autophagy receptor Nix enhances its interaction with LC3 proteins. <i>Scientific Reports</i> , <b>2017</b> , 7, 1131	4.9	127
183	From Gene to Function: Cell-Free Electrophysiological and Optical Analysis of Ion Pumps in Nanodiscs. <i>Biophysical Journal</i> , <b>2017</b> , 113, 1331-1341	2.9	16
182	Apoptosis inhibitor 5 is an endogenous inhibitor of caspase-2. <i>EMBO Reports</i> , <b>2017</b> , 18, 733-744	6.5	20
181	Fluorescence-based ATG8 sensors monitor localization and function of LC3/GABARAP proteins. <i>EMBO Journal</i> , <b>2017</b> , 36, 549-564	13	36
180	Acceleration of protein backbone NMR assignment by combinatorial labeling: Application to a small molecule binding study. <i>Biopolymers</i> , <b>2017</b> , 107, e23013	2.2	8

179	Insights into Cotranslational Membrane Protein Insertion by Combined LILBID-Mass Spectrometry and NMR Spectroscopy. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 12314-12318	7.8	13
178	Site-specific inhibition of the small ubiquitin-like modifier (SUMO)-conjugating enzyme Ubc9 selectively impairs SUMO chain formation. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 15340-15351	5.4	17
177	Control mechanisms in germ cells mediated by p53 family proteins. <i>Journal of Cell Science</i> , <b>2017</b> ,	5.3	21
176	Structural and functional analysis of the GABARAP interaction motif (GIM). <i>EMBO Reports</i> , <b>2017</b> , 18, 1382-1395	5.3	21
175	The synaptic vesicle protein SV31 assembles into a dimer and transports Zn. <i>Journal of Neurochemistry</i> , <b>2017</b> , 140, 280-293	6	10
174	Structural and functional dissection of the DH and PH domains of oncogenic Bcr-Abl tyrosine kinase. <i>Nature Communications</i> , <b>2017</b> , 8, 2101	17.4	21
173	Analyzing native membrane protein assembly in nanodiscs by combined non-covalent mass spectrometry and synthetic biology. <i>ELife</i> , <b>2017</b> , 6,	8.9	55
172	From Nanodiscs to Isotropic Bicelles: A Procedure for Solution Nuclear Magnetic Resonance Studies of Detergent-Sensitive Integral Membrane Proteins. <i>Structure</i> , <b>2016</b> , 24, 1830-1841	5.2	21
171	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. <i>Cell Death and Differentiation</i> , <b>2016</b> , 23, 1952-1960	12.7	29
170	Combining in Vitro Folding with Cell Free Protein Synthesis for Membrane Protein Expression. <i>Biochemistry</i> , <b>2016</b> , 55, 4212-9	3.2	28
169	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. <i>Protein Science</i> , <b>2016</b> , 25, 410-22	6.3	5
168	The CUE Domain of Cue1 Aligns Growing Ubiquitin Chains with Ubc7 for Rapid Elongation. <i>Molecular Cell</i> , <b>2016</b> , 62, 918-928	17.6	25
167	Co-translational formation and pharmacological characterization of beta1-adrenergic receptor/nanodisc complexes with different lipid environments. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2016</b> , 1858, 1306-16	3.8	43
166	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> , <b>2016</b> , 291, 2535-46	5.4	45
165	Quality control in oocytes by p63 is based on a spring-loaded activation mechanism on the molecular and cellular level. <i>ELife</i> , <b>2016</b> , 5,	8.9	31
164	Mechanism of TAp73 inhibition by $\Delta$ p63 and structural basis of p63/p73 hetero-tetramerization. <i>Cell Death and Differentiation</i> , <b>2016</b> , 23, 1930-1940	12.7	22
163	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> , <b>2015</b> , 290, 16415-30	5.4	13
162	Screening for lipid requirements of membrane proteins by combining cell-free expression with nanodiscs. <i>Methods in Enzymology</i> , <b>2015</b> , 556, 351-69	1.7	28

161	Membrane protein production in Escherichia coli cell-free lysates. <i>FEBS Letters</i> , <b>2015</b> , 589, 1713-22	3.8	61
160	Biosynthesis of membrane dependent proteins in insect cell lysates: identification of limiting parameters for folding and processing. <i>Biological Chemistry</i> , <b>2015</b> , 396, 1097-107	4.5	17
159	Probing metallo- $\beta$ -lactamases with molecular fragments identified by consensus docking. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 5243-6	2.9	16
158	TECPR2 Cooperates with LC3C to Regulate COPII-Dependent ER Export. <i>Molecular Cell</i> , <b>2015</b> , 60, 89-104	17.6	82
157	FAM96A is a novel pro-apoptotic tumor suppressor in gastrointestinal stromal tumors. <i>International Journal of Cancer</i> , <b>2015</b> , 137, 1318-29	7.5	18
156	An extended combinatorial $^{15}\text{N}$ , $^{13}\text{C}$ and $^{13}\text{C}$ labeling approach to protein backbone resonance assignment. <i>Journal of Biomolecular NMR</i> , <b>2015</b> , 62, 263-79	3	14
155	Labeling of membrane proteins by cell-free expression. <i>Methods in Enzymology</i> , <b>2015</b> , 565, 367-88	1.7	11
154	Assembling a Correctly Folded and Functional Heptahelical Membrane Protein by Protein Trans-splicing. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 27712-22	5.4	9
153	CUL3-KBTBD6/KBTBD7 ubiquitin ligase cooperates with GABARAP proteins to spatially restrict TIAM1-RAC1 signaling. <i>Molecular Cell</i> , <b>2015</b> , 57, 995-1010	17.6	58
152	Co-translational stabilization of insoluble proteins in cell-free expression systems. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1258, 125-43	1.4	10
151	Cell-free expression of G-protein-coupled receptors. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1261, 171-95	1.4	11
150	Peak picking NMR spectral data using non-negative matrix factorization. <i>BMC Bioinformatics</i> , <b>2014</b> , 15, 46	3.6	13
149	Interactions between autophagy receptors and ubiquitin-like proteins form the molecular basis for selective autophagy. <i>Molecular Cell</i> , <b>2014</b> , 53, 167-78	17.6	668
148	High-level cell-free production of membrane proteins with nanodiscs. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1118, 109-30	1.4	14
147	Cell-free expression and in meso crystallisation of an integral membrane kinase for structure determination. <i>Cellular and Molecular Life Sciences</i> , <b>2014</b> , 71, 4895-4910	10.3	26
146	In-cell NMR and EPR spectroscopy of biomacromolecules. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 10300-14	16.4	71
145	Stabilisation and characterisation of the isolated regulatory domain of human 5-lipoxygenase. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2014</b> , 1842, 1538-47	5	10
144	Time-shared experiments for efficient assignment of triple-selectively labeled proteins. <i>Journal of Magnetic Resonance</i> , <b>2014</b> , 248, 81-95	3	11

143	Hydrophobic supplements in cell-free systems: Designing artificial environments for membrane proteins. <i>Engineering in Life Sciences</i> , <b>2014</b> , 14, 365-379	3.4	25
142	Intrazelluläre NMR- und EPR-Spektroskopie von biologischen Makromolekülen. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 10466-10480	3.6	16
141	Cell-free expression of G-protein coupled receptors: new pipelines for challenging targets. <i>Biological Chemistry</i> , <b>2014</b> , 395, 1425-34	4.5	10
140	Crystal structure of a PCP/Sfp complex reveals the structural basis for carrier protein posttranslational modification. <i>Chemistry and Biology</i> , <b>2014</b> , 21, 552-562		30
139	Membrane Protein Quality Control in Cell-Free Expression Systems: Tools, Strategies and Case Studies <b>2014</b> , 45-70		3
138	Co-translational association of cell-free expressed membrane proteins with supplied lipid bilayers. <i>Molecular Membrane Biology</i> , <b>2013</b> , 30, 75-89	3.4	37
137	Conformational stabilization of the membrane embedded targeting domain of the lysosomal peptide transporter TAPL for solution NMR. <i>Journal of Biomolecular NMR</i> , <b>2013</b> , 57, 141-54	3	6
136	Modified lipid and protein dynamics in nanodiscs. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2013</b> , 1828, 1222-9	3.8	60
135	Investigation of quadruplex structure under physiological conditions using in-cell NMR. <i>Topics in Current Chemistry</i> , <b>2013</b> , 330, 47-65		22
134	High-resolution insight into G-overhang architecture. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 2816-24	16.4	84
133	Functional properties of cell-free expressed human endothelin A and endothelin B receptors in artificial membrane environments. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2013</b> , 1828, 2182-92	3.8	49
132	Molecular crowding drives active Pin1 into nonspecific complexes with endogenous proteins prior to substrate recognition. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 13796-803	16.4	60
131	Structural basis for phosphorylation-triggered autophagic clearance of Salmonella. <i>Biochemical Journal</i> , <b>2013</b> , 454, 459-66	3.8	71
130	Endoplasmic reticulum targeting and insertion of tail-anchored membrane proteins by the GET pathway. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2013</b> , 5, a013334	10.2	52
129	SPLICEFINDER - a fast and easy screening method for active protein trans-splicing positions. <i>PLoS ONE</i> , <b>2013</b> , 8, e72925	3.7	7
128	Artificial environments for the co-translational stabilization of cell-free expressed proteins. <i>PLoS ONE</i> , <b>2013</b> , 8, e56637	3.7	24
127	How to switch a master switch. <i>ELife</i> , <b>2013</b> , 2, e01159	8.9	3
126	Requirements on paramagnetic relaxation enhancement data for membrane protein structure determination by NMR. <i>Structure</i> , <b>2012</b> , 20, 1019-27	5.2	33

125	In-cell solid-state NMR as a tool to study proteins in large complexes. <i>ChemBioChem</i> , <b>2012</b> , 13, 534-7	3.8	44
124	Characterization of co-translationally formed nanodisc complexes with small multidrug transporters, proteorhodopsin and with the E. coli MraY translocase. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2012</b> , 1818, 3098-106	3.8	60
123	Structural Investigation of Cell-Free Expressed Membrane Proteins <b>2012</b> , 496-508		2
122	Characterization of the ground state dynamics of proteorhodopsin by NMR and optical spectroscopies. <i>Journal of Biomolecular NMR</i> , <b>2012</b> , 54, 401-13	3	10
121	Cell-free expression of human glucosamine 6-phosphate N-acetyltransferase (HsGNA1) for inhibitor screening. <i>Protein Expression and Purification</i> , <b>2012</b> , 86, 120-6	2	5
120	A systematic approach to increase the efficiency of membrane protein production in cell-free expression systems. <i>Protein Expression and Purification</i> , <b>2012</b> , 82, 308-16	2	51
119	Single-molecule force spectroscopy from nanodiscs: an assay to quantify folding, stability, and interactions of native membrane proteins. <i>ACS Nano</i> , <b>2012</b> , 6, 961-71	16.7	44
118	Characterization of molecular interactions between ACP and halogenase domains in the Curacin A polyketide synthase. <i>ACS Chemical Biology</i> , <b>2012</b> , 7, 378-86	4.9	29
117	Systems for the cell-free synthesis of proteins. <i>Methods in Molecular Biology</i> , <b>2012</b> , 800, 201-25	1.4	33
116	Caspase-2 is an initiator caspase responsible for pore-forming toxin-mediated apoptosis. <i>EMBO Journal</i> , <b>2012</b> , 31, 2615-28	13	63
115	Combinatorial triple-selective labeling as a tool to assist membrane protein backbone resonance assignment. <i>Journal of Biomolecular NMR</i> , <b>2012</b> , 52, 197-210	3	25
114	Fast automated NMR spectroscopy of short-lived biological samples. <i>ChemBioChem</i> , <b>2012</b> , 13, 964-7	3.8	2
113	A universal expression tag for structural and functional studies of proteins. <i>ChemBioChem</i> , <b>2012</b> , 13, 959-63	3.8	29
112	Loss of p63 and its microRNA-205 target results in enhanced cell migration and metastasis in prostate cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 15312-7	11.5	219
111	A method for integrative structure determination of protein-protein complexes. <i>Bioinformatics</i> , <b>2012</b> , 28, 3282-9	7.2	69
110	Phosphorylation of the autophagy receptor optineurin restricts Salmonella growth. <i>Science</i> , <b>2011</b> , 333, 228-33	33.3	937
109	DNA damage in oocytes induces a switch of the quality control factor TAp63 from dimer to tetramer. <i>Cell</i> , <b>2011</b> , 144, 566-76	56.2	93
108	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> , <b>2011</b> , 174, 434-42	3.4	3



107	Characterization of the interaction of GABARAPL-1 with the LIR motif of NBR1. <i>Journal of Molecular Biology</i> , <b>2011</b> , 410, 477-87	6.5	68
106	Cell-free expression and assembly of ATP synthase. <i>Journal of Molecular Biology</i> , <b>2011</b> , 413, 593-603	6.5	72
105	Structural basis for tail-anchored membrane protein biogenesis by the Get3-receptor complex. <i>Science</i> , <b>2011</b> , 333, 758-62	33.3	88
104	Structural insights into Rcs phosphotransfer: the newly identified RcsD-ABL domain enhances interaction with the response regulator RcsB. <i>Structure</i> , <b>2011</b> , 19, 577-87	5.2	14
103	How to create a specific recognition for an unspecific interaction. <i>Structure</i> , <b>2011</b> , 19, 601-2	5.2	3
102	Optimization of amino acid type-specific <sup>13</sup> C and <sup>15</sup> 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> , <b>2011</b> , 49, 75-84	3	40
101	Improved accuracy in measuring one-bond and two-bond ( <sup>15</sup> N), ( <sup>13</sup> C) J-coupling constants in proteins by double-inphase/antiphase (DIPAP) spectroscopy. <i>Journal of Biomolecular NMR</i> , <b>2011</b> , 50, 167-90	3	3
100	Advances in cell-free protein synthesis for the functional and structural analysis of membrane proteins. <i>New Biotechnology</i> , <b>2011</b> , 28, 262-71	6.4	79
99	Phenotypic analysis of Arg227 mutations of TP63 with emphasis on dental phenotype and micturition difficulties in EEC syndrome. <i>American Journal of Medical Genetics, Part A</i> , <b>2011</b> , 155A, 228-32	2.5	10
98	Mutation in SAM domain of TP63 is associated with nonsyndromic cleft lip and palate and cleft palate. <i>American Journal of Medical Genetics, Part A</i> , <b>2011</b> , 155A, 1432-6	2.5	9
97	Long-Range Distance Measurements on Nucleic Acids in Cells by Pulsed EPR Spectroscopy. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 5176-5180	3.6	37
96	Solution NMR Structure of Proteorhodopsin. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 12148-12152	3.6	15
95	Long-range distance measurements on nucleic acids in cells by pulsed EPR spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 5070-4	16.4	148
94	Solution NMR structure of proteorhodopsin. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 11942-6	16.4	150
93	The large extracellular loop of organic cation transporter 1 influences substrate affinity and is pivotal for oligomerization. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 37874-86	5.4	55
92	Preparative scale cell-free production and quality optimization of Mray homologues in different expression modes. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 38844-53	5.4	52
91	Functional expression of the PorAH channel from <i>Corynebacterium glutamicum</i> in cell-free expression systems: implications for the role of the naturally occurring mycolic acid modification. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 32525-32	5.4	26
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