

Andreas PlÃ¼ckthun

List of Publications by Year in descending order

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Version: 2024-02-01

444
papers

36,269
citations

1994

101
h-index

4645

170
g-index

467
all docs

467
docs citations

467
times ranked

23560
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Repeat Protein Stability by Combined Consensus and Computational Protein Design. <i>Biochemistry</i> , 2023, 62, 318-329.	2.5	1
2	Modular peptide binders—development of a predictive technology as alternative for reagent antibodies. <i>Biological Chemistry</i> , 2022, 403, 535-543.	2.5	4
3	Crystal structure of the β 1B-adrenergic receptor reveals molecular determinants of selective ligand recognition. <i>Nature Communications</i> , 2022, 13, 382.	12.8	21
4	Universal platform for the generation of thermostabilized GPCRs that crystallize in LCP. <i>Nature Protocols</i> , 2022, 17, 698-726.	12.0	5
5	Structural basis of adenylyl cyclase 9 activation. <i>Nature Communications</i> , 2022, 13, 1045.	12.8	19
6	Sortase-Mediated Site-Specific Conjugation and ⁸⁹ Zr-Radiolabeling of Designed Ankyrin Repeat Proteins for PET. <i>Molecular Pharmaceutics</i> , 2022, , .	4.6	5
7	Disrupting the HDAC6-ubiquitin interaction impairs infection by influenza and Zika virus and cellular stress pathways. <i>Cell Reports</i> , 2022, 39, 110736.	6.4	19
8	International nonproprietary names for monoclonal antibodies: an evolving nomenclature system. <i>MAbs</i> , 2022, 14, 2075078.	5.2	10
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	Thermal Shift Assay for Small GTPase Stability Screening: Evaluation and Suitability. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7095.	4.1	10
11	NK cells with tissue-resident traits shape response to immunotherapy by inducing adaptive antitumor immunity. <i>Science Translational Medicine</i> , 2022, 14, .	12.4	29
12	Structural basis for the activation and ligand recognition of the human oxytocin receptor. <i>Nature Communications</i> , 2022, 13, .	12.8	12
13	Probing the Conformation States of Neurotensin Receptor 1 Variants by NMR Site-Directed Methyl Labeling. <i>ChemBioChem</i> , 2021, 22, 139-146.	2.6	18
14	Animal- versus <i>in vitro</i> -derived antibodies: avoiding the extremes. <i>MAbs</i> , 2021, 13, 1950265.	5.2	11
15	Complexes of the neurotensin receptor 1 with small-molecule ligands reveal structural determinants of full, partial, and inverse agonism. <i>Science Advances</i> , 2021, 7, .	10.3	32
16	Cryo-EM structure of an activated GPCR-G protein complex in lipid nanodiscs. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 258-267.	8.2	71
17	An Approach for the Real-Time Quantification of Cytosolic Protein-Protein Interactions in Living Cells. <i>ACS Sensors</i> , 2021, 6, 1572-1582.	7.8	9
18	iMATCH: an integrated modular assembly system for therapeutic combination high-capacity adenovirus gene therapy. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 20, 572-586.	4.1	21

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19	Engineering of Challenging G Protein-Coupled Receptors for Structure Determination and Biophysical Studies. <i>Molecules</i> , 2021, 26, 1465.	3.8	5
20	Directed evolution for high functional production and stability of a challenging G protein-coupled receptor. <i>Scientific Reports</i> , 2021, 11, 8630.	3.3	11
21	The SHREAD gene therapy platform for paracrine delivery improves tumor localization and intratumoral effects of a clinical antibody. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	15
22	Crystal structures of HER3 extracellular domain 4 in complex with the designed ankyrin-repeat protein D5. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2021, 77, 192-201.	0.8	4
23	Engineering an anti-HER2 biparatopic antibody with a multimodal mechanism of action. <i>Nature Communications</i> , 2021, 12, 3790.	12.8	29
24	Generation of ordered protein assemblies using rigid three-body fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	25
25	Apoptosis-inducing anti-HER2 agents operate through oligomerization-induced receptor immobilization. <i>Communications Biology</i> , 2021, 4, 762.	4.4	12
26	Thermodynamic Stability Is a Strong Predictor for the Delivery of DARPins to the Cytosol via Anthrax Toxin. <i>Pharmaceutics</i> , 2021, 13, 1285.	4.5	4
27	An automated iterative approach for protein structure refinement using pseudocontact shifts. <i>Journal of Biomolecular NMR</i> , 2021, 75, 319-334.	2.8	5
28	Engineering Single Pan-Specific Ubiquibodies for Targeted Degradation of All Forms of Endogenous ERK Protein Kinase. <i>ACS Synthetic Biology</i> , 2021, 10, 2396-2408.	3.8	10
29	Designed Ankyrin Repeat Proteins as Novel Binders for Ultrasound Molecular Imaging. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 2664-2675.	1.5	1
30	Purification of MBP fusion proteins using engineered DARPin affinity matrix. <i>International Journal of Biological Macromolecules</i> , 2021, 187, 105-112.	7.5	3
31	Half-life extension of efficiently produced DARPin serum albumin fusions as a function of FcRn affinity and recycling. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 167, 104-113.	4.3	5
32	Flavonol-mediated stabilization of PIN efflux complexes regulates polar auxin transport. <i>EMBO Journal</i> , 2021, 40, e104416.	7.8	61
33	A structural model of a Ras-Raf signalosome. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 847-857.	8.2	44
34	Asymmetric requirement of Dpp/BMP morphogen dispersal in the <i>Drosophila</i> wing disc. <i>Nature Communications</i> , 2021, 12, 6435.	12.8	22
35	Distinct conformations of the HIV-1 V3 loop crown are targetable for broad neutralization. <i>Nature Communications</i> , 2021, 12, 6705.	12.8	9
36	Structures of neurokinin 1 receptor in complex with G _q and G _s proteins reveal substance P binding mode and unique activation features. <i>Science Advances</i> , 2021, 7, eabk2872.	10.3	25

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37	The RGD-binding integrins $\alpha_6\beta_1$ and $\alpha_3\beta_1$ are receptors for mouse adenovirus-1 and -3 infection. <i>PLoS Pathogens</i> , 2021, 17, e1010083.	4.7	8
38	Chaperone-assisted structure elucidation with DARPins. <i>Current Opinion in Structural Biology</i> , 2020, 60, 93-100.	5.7	21
39	High-Throughput Generation of Bispecific Binding Proteins by Sortase A-Mediated Coupling for Direct Functional Screening in Cell Culture. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 1080-1088.	4.1	12
40	Engineering Af1521 improves ADP-ribose binding and identification of ADP-ribosylated proteins. <i>Nature Communications</i> , 2020, 11, 5199.	12.8	49
41	Animal-free alternatives and the antibody iceberg. <i>Nature Biotechnology</i> , 2020, 38, 1234-1239.	17.5	58
42	Crystal structure of the human oxytocin receptor. <i>Science Advances</i> , 2020, 6, eabb5419.	10.3	67
43	Salmonella-based platform for efficient delivery of functional binding proteins to the cytosol. <i>Communications Biology</i> , 2020, 3, 342.	4.4	14
44	Malignant tissues produce divergent antibody glycosylation of relevance for cancer gene therapy effectiveness. <i>MAbs</i> , 2020, 12, 1792084.	5.2	7
45	Animal-derived-antibody generation faces strict reform in accordance with European Union policy on animal use. <i>Nature Methods</i> , 2020, 17, 755-756.	19.0	27
46	The Antibody Society's antibody validation webinar series. <i>MAbs</i> , 2020, 12, 1794421.	5.2	26
47	Optimizing the anti-tumor efficacy of protein-drug conjugates by engineering the molecular size and half-life. <i>Journal of Controlled Release</i> , 2020, 327, 186-197.	9.9	30
48	Reengineering anthrax toxin protective antigen for improved receptor-specific protein delivery. <i>BMC Biology</i> , 2020, 18, 100.	3.8	9
49	Optimizing the $\alpha_1\text{B}$ -adrenergic receptor for solution NMR studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183354.	2.6	19
50	Photoinduced damage of AsLOV2 domain is accompanied by increased singlet oxygen production due to flavin dissociation. <i>Scientific Reports</i> , 2020, 10, 4119.	3.3	10
51	Structure-Guided Design of a Peptide Lock for Modular Peptide Binders. <i>ACS Chemical Biology</i> , 2020, 15, 457-468.	3.4	8
52	Reproducibility: bypass animals for antibody production. <i>Nature</i> , 2020, 581, 262-262.	27.8	17
53	Lactoferrin-Hexon Interactions Mediate CAR-Independent Adenovirus Infection of Human Respiratory Cells. <i>Journal of Virology</i> , 2020, 94, .	3.4	16
54	Influence of size and charge of unstructured polypeptides on pharmacokinetics and biodistribution of targeted fusion proteins. <i>Journal of Controlled Release</i> , 2019, 307, 379-392.	9.9	22

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55	Reprogramming Bacteriophage Host Range through Structure-Guided Design of Chimeric Receptor Binding Proteins. <i>Cell Reports</i> , 2019, 29, 1336-1350.e4.	6.4	135
56	Rigid fusions of designed helical repeat binding proteins efficiently protect a binding surface from crystal contacts. <i>Scientific Reports</i> , 2019, 9, 16162.	3.3	11
57	New views into class B GPCRs from the crystal structure of PTH1R. <i>FEBS Journal</i> , 2019, 286, 4852-4860.	4.7	3
58	Structural analysis of biological targets by host:guest crystal lattice engineering. <i>Scientific Reports</i> , 2019, 9, 15199.	3.3	17
59	Multispecific Targeting with Synthetic Ankyrin Repeat Motif Chimeric Antigen Receptors. <i>Clinical Cancer Research</i> , 2019, 25, 7506-7516.	7.0	43
60	Peptide binding affinity redistributes preassembled repeat protein fragments. <i>Biological Chemistry</i> , 2019, 400, 395-404.	2.5	3
61	Systemic analysis of tyrosine kinase signaling reveals a common adaptive response program in a HER2-positive breast cancer. <i>Science Signaling</i> , 2019, 12, .	3.6	26
62	Computational Modeling of Designed Ankyrin Repeat Protein Complexes with Their Targets. <i>Journal of Molecular Biology</i> , 2019, 431, 2852-2868.	4.2	6
63	Targeted delivery and endosomal cellular uptake of DARPIn-siRNA bioconjugates: Influence of linker stability on gene silencing. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 141, 37-50.	4.3	10
64	High-Throughput Quantification of Surface Protein Internalization and Degradation. <i>ACS Chemical Biology</i> , 2019, 14, 1154-1163.	3.4	14
65	Insight into microtubule nucleation from tubulin-capping proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9859-9864.	7.1	15
66	A survival selection strategy for engineering synthetic binding proteins that specifically recognize post-translationally phosphorylated proteins. <i>Nature Communications</i> , 2019, 10, 1830.	12.8	9
67	Trapped! A Critical Evaluation of Methods for Measuring Total Cellular Uptake versus Cytosolic Localization. <i>Bioconjugate Chemistry</i> , 2019, 30, 1006-1027.	3.6	53
68	Inhibition of the MET Kinase Activity and Cell Growth in MET-Addicted Cancer Cells by Bi-Paratopic Linking. <i>Journal of Molecular Biology</i> , 2019, 431, 2020-2039.	4.2	20
69	High-Throughput Fluorescence Polarization Assay to Identify Ligands Using Purified G Protein-Coupled Receptor. <i>SLAS Discovery</i> , 2019, 24, 915-927.	2.7	12
70	Mutations in sigma 70 transcription factor improves expression of functional eukaryotic membrane proteins in <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2019, 9, 2483.	3.3	8
71	Rotational symmetry of the structured Chip/LDB-SSDP core module of the Wnt enhanceosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20977-20983.	7.1	10
72	Labeling surface proteins with high specificity: Intrinsic limitations of phosphopantetheinyl transferase systems. <i>PLoS ONE</i> , 2019, 14, e0226579.	2.5	5

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73	Unravelling Receptor and RGD Motif Dependence of Retargeted Adenoviral Vectors using Advanced Tumor Model Systems. <i>Scientific Reports</i> , 2019, 9, 18568.	3.3	14
74	Crystal structures of the human neurokinin 1 receptor in complex with clinically used antagonists. <i>Nature Communications</i> , 2019, 10, 17.	12.8	68
75	In vivo assembly and large-scale purification of a GPCR - G α fusion with G $\beta\gamma$, and characterization of the active complex. <i>PLoS ONE</i> , 2019, 14, e0210131.	2.5	8
76	Site-Selective Enzymatic Labeling of Designed Ankyrin Repeat Proteins Using Protein Farnesyltransferase. <i>Methods in Molecular Biology</i> , 2019, 2033, 207-219.	0.9	4
77	Facile Site-Specific Multiconjugation Strategies in Recombinant Proteins Produced in Bacteria. <i>Methods in Molecular Biology</i> , 2019, 2033, 253-273.	0.9	5
78	Peptide-Guided Assembly of Repeat Protein Fragments. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4576-4579.	13.8	10
79	Adenoviral vector with shield and adapter increases tumor specificity and escapes liver and immune control. <i>Nature Communications</i> , 2018, 9, 450.	12.8	65
80	Peptide-Guided Assembly of Repeat Protein Fragments. <i>Angewandte Chemie</i> , 2018, 130, 4666-4669.	2.0	1
81	Segmental isotopic labeling by asparaginyl endopeptidase-mediated protein ligation. <i>Journal of Biomolecular NMR</i> , 2018, 71, 225-235.	2.8	19
82	Determinants of Ligand Subtype-Selectivity at β 1A-Adrenoceptor Revealed Using Saturation Transfer Difference (STD) NMR. <i>ACS Chemical Biology</i> , 2018, 13, 1090-1102.	3.4	26
83	Modification of the kinetic stability of immunoglobulin G by solvent additives. <i>MAbs</i> , 2018, 10, 607-623.	5.2	12
84	Structural Basis for the Selective Inhibition of c-Jun N-Terminal Kinase 1 Determined by Rigid DARPin-DARPin Fusions. <i>Journal of Molecular Biology</i> , 2018, 430, 2128-2138.	4.2	12
85	High-resolution crystal structure of parathyroid hormone 1 receptor in complex with a peptide agonist. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 1086-1092.	8.2	99
86	DARPin recognizing mTFP1 as novel reagents for <i>in vitro</i> and <i>in vivo</i> protein manipulations. <i>Biology Open</i> , 2018, 7, .	1.2	7
87	Rapid Selection of High-Affinity Antibody scFv Fragments Using Ribosome Display. <i>Methods in Molecular Biology</i> , 2018, 1827, 235-268.	0.9	11
88	Assessment of ab initio models of protein complexes by molecular dynamics. <i>PLoS Computational Biology</i> , 2018, 14, e1006182.	3.2	33
89	PtdIns(4,5)P ₂ stabilizes active states of GPCRs and enhances selectivity of G-protein coupling. <i>Nature</i> , 2018, 559, 423-427.	27.8	236
90	An Interface-Driven Design Strategy Yields a Novel, Corrugated Protein Architecture. <i>ACS Synthetic Biology</i> , 2018, 7, 2226-2235.	3.8	11

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91	A Library-Based Screening Strategy for the Identification of DARPins as Ligands for Receptor-Targeted AAV and Lentiviral Vectors. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018, 10, 128-143.	4.1	30
92	Lung macrophage scavenger receptor SR-A6 (MARCO) is an adenovirus type-specific virus entry receptor. <i>PLoS Pathogens</i> , 2018, 14, e1006914.	4.7	56
93	Curvature of designed armadillo repeat proteins allows modular peptide binding. <i>Journal of Structural Biology</i> , 2018, 201, 108-117.	2.8	12
94	A Biotin Ligase-Based Assay for the Quantification of the Cytosolic Delivery of Therapeutic Proteins. <i>Methods in Molecular Biology</i> , 2017, 1575, 223-236.	0.9	10
95	Changes to International Nonproprietary Names for antibody therapeutics 2017 and beyond: of mice, men and more. <i>MAbs</i> , 2017, 9, 898-906.	5.2	28
96	Rigidity of the extracellular part of HER2: Evidence from engineering subdomain interfaces and shared α -helix DARPins-DARPin fusions. <i>Protein Science</i> , 2017, 26, 1796-1806.	7.6	10
97	Ligand Discovery for a Peptide-Binding GPCR by Structure-Based Screening of Fragment- and Lead-Like Chemical Libraries. <i>ACS Chemical Biology</i> , 2017, 12, 735-745.	3.4	24
98	Personalised proteome analysis by means of protein microarrays made from individual patient samples. <i>Scientific Reports</i> , 2017, 7, 39756.	3.3	17
99	SPRi-MALDI MS: characterization and identification of a kinase from cell lysate by specific interaction with different designed ankyrin repeat proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1827-1836.	3.7	13
100	A quantitative comparison of cytosolic delivery via different protein uptake systems. <i>Scientific Reports</i> , 2017, 7, 13194.	3.3	67
101	Analysis of IgG kinetic stability by differential scanning calorimetry, probe fluorescence and light scattering. <i>Protein Science</i> , 2017, 26, 2229-2239.	7.6	14
102	Rigidly connected multispecific artificial binders with adjustable geometries. <i>Scientific Reports</i> , 2017, 7, 11217.	3.3	30
103	Structures of designed armadillo repeat proteins binding to peptides fused to globular domains. <i>Protein Science</i> , 2017, 26, 1942-1952.	7.6	10
104	Design and applications of a clamp for Green Fluorescent Protein with picomolar affinity. <i>Scientific Reports</i> , 2017, 7, 16292.	3.3	49
105	Functional and dynamic polymerization of the ALS-linked protein TDP-43 antagonizes its pathologic aggregation. <i>Nature Communications</i> , 2017, 8, 45.	12.8	242
106	Covalently circularized nanodiscs for studying membrane proteins and viral entry. <i>Nature Methods</i> , 2017, 14, 49-52.	19.0	221
107	Advances in the design and engineering of peptide-binding repeat proteins. <i>Biological Chemistry</i> , 2017, 398, 23-29.	2.5	16
108	SPR-based fragment screening with neurotensin receptor 1 generates novel small molecule ligands. <i>PLoS ONE</i> , 2017, 12, e0175842.	2.5	24

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109	Receptor-Targeted Nipah Virus Glycoproteins Improve Cell-Type Selective Gene Delivery and Reveal a Preference for Membrane-Proximal Cell Attachment. <i>PLoS Pathogens</i> , 2016, 12, e1005641.	4.7	58
110	Directed evolution of G protein-coupled receptors in yeast for higher functional production in eukaryotic expression hosts. <i>Scientific Reports</i> , 2016, 6, 21508.	3.3	55
111	DARPin-Based Crystallization Chaperones Exploit Molecular Geometry as a Screening Dimension in Protein Crystallography. <i>Journal of Molecular Biology</i> , 2016, 428, 1574-1588.	4.2	30
112	Computationally Designed Armadillo Repeat Proteins for Modular Peptide Recognition. <i>Journal of Molecular Biology</i> , 2016, 428, 4467-4489.	4.2	19
113	Intermolecular biparatopic trapping of ErbB2 prevents compensatory activation of PI3K/AKT via RAS-p110 crosstalk. <i>Nature Communications</i> , 2016, 7, 11672.	12.8	38
114	Structures of designed armadillo-repeat proteins show propagation of inter-repeat interface effects. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 168-175.	2.3	12
115	Destabilizing an interacting motif strengthens the association of a designed ankyrin repeat protein with tubulin. <i>Scientific Reports</i> , 2016, 6, 28922.	3.3	27
116	A generic selection system for improved expression and thermostability of G protein-coupled receptors by directed evolution. <i>Scientific Reports</i> , 2016, 6, 21294.	3.3	25
117	Enhanced lysis by bispecific oncolytic measles viruses simultaneously using HER2 /neu or EpCAM as target receptors. <i>Molecular Therapy - Oncolytics</i> , 2016, 3, 16003.	4.4	20
118	Conformational dynamics of a G-protein β subunit is tightly regulated by nucleotide binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3629-38.	7.1	77
119	Generation of Fluorogen-Activating Designed Ankyrin Repeat Proteins (FADAs) as Versatile Sensor Tools. <i>Journal of Molecular Biology</i> , 2016, 428, 1272-1289.	4.2	22
120	Structure and Energetic Contributions of a Designed Modular Peptide-Binding Protein with Picomolar Affinity. <i>Journal of the American Chemical Society</i> , 2016, 138, 3526-3532.	13.7	27
121	The INNs and outs of antibody nonproprietary names. <i>MAbs</i> , 2016, 8, 1-9.	5.2	48
122	Advanced analyses of kinetic stabilities of iggs modified by mutations and glycosylation. <i>Protein Science</i> , 2015, 24, 1100-1113.	7.6	13
123	Comprehensive analysis of heterotrimeric G-protein complex diversity and their interactions with GPCRs in solution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1181-90.	7.1	41
124	Antibodies: validate recombinants once. <i>Nature</i> , 2015, 520, 295-295.	27.8	26
125	A Combined NMR and Computational Approach to Investigate Peptide Binding to a Designed Armadillo Repeat Protein. <i>Journal of Molecular Biology</i> , 2015, 427, 1916-1933.	4.2	6
126	Efficient cell-specific uptake of binding proteins into the cytoplasm through engineered modular transport systems. <i>Journal of Controlled Release</i> , 2015, 200, 13-22.	9.9	66

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127	Off-target-free gene delivery by affinity-purified receptor-targeted viral vectors. <i>Nature Communications</i> , 2015, 6, 6246.	12.8	91
128	Liposome functionalization with copper-free click chemistry. <i>Journal of Controlled Release</i> , 2015, 202, 14-20.	9.9	47
129	Designed Ankyrin Repeat Proteins (DARPin)s: Binding Proteins for Research, Diagnostics, and Therapy. <i>Annual Review of Pharmacology and Toxicology</i> , 2015, 55, 489-511.	9.4	468
130	Phase Behavior of a Designed Cyclopropyl Analogue of Monoolein: Implications for Low-Temperature Membrane Protein Crystallization. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1027-1031.	13.8	29
131	Receptor-targeted lentiviral vectors are exceptionally sensitive toward the biophysical properties of the displayed single-chain Fv. <i>Protein Engineering, Design and Selection</i> , 2015, 28, 93-106.	2.1	23
132	Development of the designed ankyrin repeat protein (DARPin) G3 for HER2 molecular imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 288-301.	6.4	70
133	Single-molecule spectroscopy of protein conformational dynamics in live eukaryotic cells. <i>Nature Methods</i> , 2015, 12, 773-779.	19.0	217
134	Antibody-Drug Conjugates for Tumor Targeting: Novel Conjugation Chemistries and the Promise of non-IgG Binding Proteins. <i>Bioconjugate Chemistry</i> , 2015, 26, 2176-2185.	3.6	38
135	A cleavable ligand column for the rapid isolation of large quantities of homogeneous and functional neurotensin receptor 1 variants from <i>E. coli</i> . <i>Protein Expression and Purification</i> , 2015, 108, 106-114.	1.3	19
136	Getting to reproducible antibodies: the rationale for sequenced recombinant characterized reagents. <i>Protein Engineering, Design and Selection</i> , 2015, 28, 303-305.	2.1	50
137	Reproducibility: Standardize antibodies used in research. <i>Nature</i> , 2015, 518, 27-29.	27.8	530
138	Protein interference applications in cellular and developmental biology using DARPins that recognize GFP and mCherry. <i>Biology Open</i> , 2014, 3, 1252-1261.	1.2	73
139	The ErbB4 CYT2 variant protects EGFR from ligand-induced degradation to enhance cancer cell motility. <i>Science Signaling</i> , 2014, 7, ra78.	3.6	34
140	Novel Prodrug-Like Fusion Toxin with Protease-Sensitive Bioorthogonal PEGylation for Tumor Targeting. <i>Bioconjugate Chemistry</i> , 2014, 25, 2144-2156.	3.6	19
141	Crystal structures of designed armadillo repeat proteins: Implications of construct design and crystallization conditions on overall structure. <i>Protein Science</i> , 2014, 23, 1572-1583.	7.6	16
142	Structure of signaling-competent neurotensin receptor 1 obtained by directed evolution in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E655-62.	7.1	197
143	Co-Crystallization with Conformation-Specific Designed Ankyrin Repeat Proteins Explains the Conformational Flexibility of BCL-W. <i>Journal of Molecular Biology</i> , 2014, 426, 2346-2362.	4.2	15
144	Increasing the Antitumor Effect of an EpCAM-Targeting Fusion Toxin by Facile Click PEGylation. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 375-385.	4.1	37

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145	From DARPins to LoopDARPins: Novel LoopDARPin Design Allows the Selection of Low Picomolar Binders in a Single Round of Ribosome Display. <i>Journal of Molecular Biology</i> , 2014, 426, 691-721.	4.2	94
146	Modular peptide binding: From a comparison of natural binders to designed armadillo repeat proteins. <i>Journal of Structural Biology</i> , 2014, 185, 147-162.	2.8	50
147	G-quadruplexes are specifically recognized and distinguished by selected designed ankyrin repeat proteins. <i>Nucleic Acids Research</i> , 2014, 42, 9182-9194.	14.5	16
148	Spontaneous Self-Assembly of Engineered Armadillo Repeat Protein Fragments into a Folded Structure. <i>Structure</i> , 2014, 22, 985-995.	3.3	19
149	Improving the apo-state detergent stability of NTS1 with CHES for pharmacological and structural studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2817-2824.	2.6	36
150	Amyloid- β Peptide-specific DARPins as a Novel Class of Potential Therapeutics for Alzheimer Disease. <i>Journal of Biological Chemistry</i> , 2014, 289, 27080-27089.	3.4	17
151	Engineered proteins with desired specificity: DARPins, other alternative scaffolds and bispecific IgGs. <i>Current Opinion in Structural Biology</i> , 2014, 27, 102-112.	5.7	104
152	A Universal Approach to Prepare Reagents for DNA-Assisted Protein Analysis. <i>PLoS ONE</i> , 2014, 9, e108061.	2.5	5
153	Structure of a kinesin-tubulin complex and implications for kinesin motility. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 1001-1007.	8.2	143
154	Knowledge-Based Design of a Biosensor to Quantify Localized ERK Activation in Living Cells. <i>Chemistry and Biology</i> , 2013, 20, 847-856.	6.0	49
155	Structural Basis for Eliciting a Cytotoxic Effect in HER2-Overexpressing Cancer Cells via Binding to the Extracellular Domain of HER2. <i>Structure</i> , 2013, 21, 1979-1991.	3.3	111
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