

Sachdev S Sidhu

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.

152
papers

8,112
citations

47
h-index

88
g-index

167
ext. papers

9,987
ext. citations

8.7
avg, IF

5.9
L-index

#	Paper	IF	Citations
152	Synthetic antibodies block receptor binding and current-inhibiting effects of α -cobratoxin from <i>Naja kaouthia</i> . <i>Protein Science</i> , 2022 , 31, e4296	6.3	
151	Panel of Engineered Ubiquitin Variants Targeting the Family of Human Ubiquitin Interacting Motifs. <i>ACS Chemical Biology</i> , 2022 ,	4.9	1
150	USP10 Promotes Fibronectin Recycling, Secretion, and Organization 2021 , 62, 15		1
149	Multifaceted N-Degron Recognition and Ubiquitylation by GID/CTLH E3 Ligases. <i>Journal of Molecular Biology</i> , 2021 , 434, 167347	6.5	4
148	The Deleterious Effects of Shiga Toxin Type 2 Are Neutralized In Vitro by FabF8:Stx2 Recombinant Monoclonal Antibody. <i>Toxins</i> , 2021 , 13,	4.9	1
147	Discovery of an exosite on the SOCS2-SH2 domain that enhances SH2 binding to phosphorylated ligands. <i>Nature Communications</i> , 2021 , 12, 7032	17.4	0
146	A Panel of Engineered Ubiquitin Variants Targeting the Family of Domains Found in Ubiquitin Specific Proteases (DUSPs). <i>Journal of Molecular Biology</i> , 2021 , 433, 167300	6.5	1
145	Angiomotin Counteracts the Negative Regulatory Effect of Host WWOX on Viral PPxY-Mediated Egress. <i>Journal of Virology</i> , 2021 ,	6.6	1
144	Anti-ferroptotic mechanism of IL4i1-mediated amino acid metabolism. <i>ELife</i> , 2021 , 10,	8.9	14
143	Human ACE2 receptor polymorphisms and altered susceptibility to SARS-CoV-2. <i>Communications Biology</i> , 2021 , 4, 475	6.7	43
142	SynNotch-CAR T cells overcome challenges of specificity, heterogeneity, and persistence in treating glioblastoma. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	61
141	CollectSeq: In silico discovery of antibodies targeting integral membrane proteins combining in situ selections and next-generation sequencing. <i>Communications Biology</i> , 2021 , 4, 561	6.7	2
140	A Norrin/Wnt surrogate antibody stimulates endothelial cell barrier function and rescues retinopathy. <i>EMBO Molecular Medicine</i> , 2021 , 13, e13977	12	10
139	Inhibition of Cancer Cell Adhesion, Migration and Proliferation by a Bispecific Antibody that Targets two Distinct Epitopes on α Integrins. <i>Journal of Molecular Biology</i> , 2021 , 433, 167090	6.5	1
138	A T cell redirection platform for co-targeting dual antigens on solid tumors. <i>MAbs</i> , 2021 , 13, 1933690	6.6	
137	Comprehensive Assessment of the Relationship Between Site Specificity and Helix α in the Erbin PDZ Domain. <i>Journal of Molecular Biology</i> , 2021 , 433, 167115	6.5	
136	Tetravalent SARS-CoV-2 Neutralizing Antibodies Show Enhanced Potency and Resistance to Escape Mutations. <i>Journal of Molecular Biology</i> , 2021 , 433, 167177	6.5	10

135	Systematic Engineering of Optimized Autonomous Heavy-Chain Variable Domains. <i>Journal of Molecular Biology</i> , 2021 , 433, 167241	6.5	0
134	The RNA-Binding Protein Rasputin/G3BP Enhances the Stability and Translation of Its Target mRNAs. <i>Cell Reports</i> , 2020 , 30, 3353-3367.e7	10.6	15
133	Neutralizing Antibody and Soluble ACE2 Inhibition of a Replication-Competent VSV-SARS-CoV-2 and a Clinical Isolate of SARS-CoV-2. <i>Cell Host and Microbe</i> , 2020 , 28, 475-485.e5	23.4	252
132	antibody phage display yields optimal inhibitors of integrin $\alpha 1/\beta 1$. <i>MAbs</i> , 2020 , 12, 1717265	6.6	9
131	Modular mimicry and engagement of the Hippo pathway by Marburg virus VP40: Implications for filovirus biology and budding. <i>PLoS Pathogens</i> , 2020 , 16, e1008231	7.6	8
130	A Synthetic Human Antibody Antagonizes IL-18R α Signaling Through an Allosteric Mechanism. <i>Journal of Molecular Biology</i> , 2020 , 432, 1169-1182	6.5	1
129	Bead-based multiplex detection of dengue biomarkers in a portable imaging device. <i>Biomedical Optics Express</i> , 2020 , 11, 6154-6167	3.5	2
128	Large-scale survey and database of high affinity ligands for peptide recognition modules. <i>Molecular Systems Biology</i> , 2020 , 16, e9310	12.2	11
127	Neutralizing Antibody and Soluble ACE2 Inhibition of a Replication-Competent VSV-SARS-CoV-2 and a Clinical Isolate of SARS-CoV-2. <i>SSRN Electronic Journal</i> , 2020 , 3606354	1	12
126	Neutralizing antibody and soluble ACE2 inhibition of a replication-competent VSV-SARS-CoV-2 and a clinical isolate of SARS-CoV-2 2020 ,		10
125	Tetavalent SARS-CoV-2 Neutralizing Antibodies Show Enhanced Potency and Resistance to Escape Mutations 2020 ,		8
124	Comprehensive analysis of all evolutionary paths between two divergent PDZ domain specificities. <i>Protein Science</i> , 2020 , 29, 433-442	6.3	6
123	Discovery of Protein-Protein Interaction Inhibitors by Integrating Protein Engineering and Chemical Screening Platforms. <i>Cell Chemical Biology</i> , 2020 , 27, 1441-1451.e7	8.2	7
122	A phage-displayed single-chain Fab library optimized for rapid production of single-chain IgGs. <i>Protein Science</i> , 2020 , 29, 2075-2084	6.3	3
121	Performance of soluble Klotho assays in clinical samples of kidney disease. <i>CKJ: Clinical Kidney Journal</i> , 2020 , 13, 235-244	4.5	18
120	Structural and Functional Analysis of Ubiquitin-based Inhibitors That Target the Backsides of E2 Enzymes. <i>Journal of Molecular Biology</i> , 2020 , 432, 952-966	6.5	12
119	Protein engineering of a ubiquitin-variant inhibitor of APC/C identifies a cryptic K48 ubiquitin chain binding site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 17280-17289	11.5	11
118	A rapid in vitro methodology for simultaneous target discovery and antibody generation against functional cell subpopulations. <i>Scientific Reports</i> , 2019 , 9, 842	4.9	7

117	Structural and Functional Characterization of Ubiquitin Variant Inhibitors of USP15. <i>Structure</i> , 2019 , 27, 590-605.e5	5.2	32
116	Inhibition of Marburg Virus RNA Synthesis by a Synthetic Anti-VP35 Antibody. <i>ACS Infectious Diseases</i> , 2019 , 5, 1385-1396	5.5	5
115	Emerging drug development technologies targeting ubiquitination for cancer therapeutics. <i>Pharmacology & Therapeutics</i> , 2019 , 199, 139-154	13.9	35
114	Innate Control of Tissue-Reparative Human Regulatory T Cells. <i>Journal of Immunology</i> , 2019 , 202, 2195-2209	5.9	17
113	The ubiquitin interacting motifs of USP37 act on the proximal Ub of a di-Ub chain to enhance catalytic efficiency. <i>Scientific Reports</i> , 2019 , 9, 4119	4.9	7
112	Potent Neutralization of Staphylococcal Enterotoxin B In Vivo by Antibodies that Block Binding to the T-Cell Receptor. <i>Journal of Molecular Biology</i> , 2019 , 431, 4354-4367	6.5	8
111	Dimerization of a ubiquitin variant leads to high affinity interactions with a ubiquitin interacting motif. <i>Protein Science</i> , 2019 , 28, 848-856	6.3	7
110	Yeast Two-Hybrid Analysis for Ubiquitin Variant Inhibitors of Human Deubiquitinases. <i>Journal of Molecular Biology</i> , 2019 , 431, 1160-1171	6.5	2
109	Identification and Characterization of Mutations in Ubiquitin Required for Non-covalent Dimer Formation. <i>Structure</i> , 2019 , 27, 1452-1459.e4	5.2	3
108	Optimization of peptidic HIV-1 fusion inhibitor T20 by phage display. <i>Protein Science</i> , 2019 , 28, 1501-1518	8.3	1
107	A Potent Anti-SpuE Antibody Allosterically Inhibits Type III Secretion System and Attenuates Virulence of <i>Pseudomonas Aeruginosa</i> . <i>Journal of Molecular Biology</i> , 2019 , 431, 4882-4896	6.5	6
106	Tailored tetravalent antibodies potently and specifically activate Wnt/Frizzled pathways in cells, organoids and mice. <i>ELife</i> , 2019 , 8,	8.9	24
105	A Multiplexed, Point-of-Care Sensing for Dengue 2019 ,		1
104	Functional genomic characterization of a synthetic anti-HER3 antibody reveals a role for ubiquitination by RNF41 in the anti-proliferative response. <i>Journal of Biological Chemistry</i> , 2019 , 294, 1396-1409	5.4	0
103	Engineered SH2 domains with tailored specificities and enhanced affinities for phosphoproteome analysis. <i>Protein Science</i> , 2019 , 28, 403-413	6.3	4
102	Allosteric Modulation of Binding Specificity by Alternative Packing of Protein Cores. <i>Journal of Molecular Biology</i> , 2019 , 431, 336-350	6.5	11
101	Blockade of TGF- β signaling with novel synthetic antibodies limits immune exclusion and improves chemotherapy response in metastatic ovarian cancer models. <i>Oncotmmunology</i> , 2019 , 8, e1539613	7.2	21
100	EPH Profiling of BTIC Populations in Glioblastoma Multiforme Using CyTOF. <i>Methods in Molecular Biology</i> , 2019 , 1869, 155-168	1.4	3

99	Peptides meet ubiquitin: Simple interactions regulating complex cell signaling. <i>Peptide Science</i> , 2019 , 111, e24091	3	3
98	Highly multiplexed and quantitative cell-surface protein profiling using genetically barcoded antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 2836-2841	11.5	30
97	Dynamics of PARKIN-Dependent Mitochondrial Ubiquitylation in Induced Neurons and Model Systems Revealed by Digital Snapshot Proteomics. <i>Molecular Cell</i> , 2018 , 70, 211-227.e8	17.6	95
96	Drug development: Allosteric inhibitors hit USP7 hard. <i>Nature Chemical Biology</i> , 2018 , 14, 110-111	11.7	9
95	A Structure-Based Strategy for Engineering Selective Ubiquitin Variant Inhibitors of Skp1-Cul1-F-Box Ubiquitin Ligases. <i>Structure</i> , 2018 , 26, 1226-1236.e3	5.2	15
94	Host Protein BAG3 is a Negative Regulator of Lassa VLP Egress. <i>Diseases (Basel, Switzerland)</i> , 2018 , 6,	4.4	6
93	Inhibition of 53BP1 favors homology-dependent DNA repair and increases CRISPR-Cas9 genome-editing efficiency. <i>Nature Biotechnology</i> , 2018 , 36, 95-102	44.5	114
92	Effects of erythropoietin receptor activity on angiogenesis, tubular injury, and fibrosis in acute kidney injury: a "U-shaped" relationship. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 314, F501-F516	4.3	16
91	Construction of Synthetic Antibody Phage-Display Libraries. <i>Methods in Molecular Biology</i> , 2018 , 1701, 45-60	1.4	18
90	Protocadherin-1 is essential for cell entry by New World hantaviruses. <i>Nature</i> , 2018 , 563, 559-563	50.4	49
89	Biosynthetic Oligoclonal Antivenom (BOA) for Snakebite and Next-Generation Treatments for Snakebite Victims. <i>Toxins</i> , 2018 , 10,	4.9	39
88	Generating Intracellular Modulators of E3 Ligases and Deubiquitinases from Phage-Displayed Ubiquitin Variant Libraries. <i>Methods in Molecular Biology</i> , 2018 , 1844, 101-119	1.4	3
87	Intracellular Delivery of Human Purine Nucleoside Phosphorylase by Engineered Diphtheria Toxin Rescues Function in Target Cells. <i>Molecular Pharmaceutics</i> , 2018 , 15, 5217-5226	5.6	8
86	A synthetic anti-Frizzled antibody engineered for broadened specificity exhibits enhanced anti-tumor properties. <i>MAbs</i> , 2018 , 10, 1157-1167	6.6	22
85	Fc Engineering: Tailored Synthetic Human IgG1-Fc Repertoire for High-Affinity Interaction with FcRn at pH 6.0. <i>Methods in Molecular Biology</i> , 2018 , 1827, 399-417	1.4	1
84	Structure-Guided Combinatorial Engineering Facilitates Affinity and Specificity Optimization of Anti-CD81 Antibodies. <i>Journal of Molecular Biology</i> , 2018 , 430, 2139-2152	6.5	8
83	Construction of Synthetic Phage Displayed Fab Library with Tailored Diversity. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	1
82	Creation of Phosphotyrosine Superbinders by Directed Evolution of an SH2 Domain. <i>Methods in Molecular Biology</i> , 2017 , 1555, 225-254	1.4	2

81	Structural and functional characterization of a ubiquitin variant engineered for tight and specific binding to an alpha-helical ubiquitin interacting motif. <i>Protein Science</i> , 2017 , 26, 1060-1069	6.3	17
80	Structure-Directed and Tailored Diversity Synthetic Antibody Libraries Yield Novel Anti-EGFR Antagonists. <i>ACS Chemical Biology</i> , 2017 , 12, 1381-1389	4.9	14
79	Generation and Validation of Intracellular Ubiquitin Variant Inhibitors for USP7 and USP10. <i>Journal of Molecular Biology</i> , 2017 , 429, 3546-3560	6.5	31
78	Fluorescence-based ATG8 sensors monitor localization and function of LC3/GABARAP proteins. <i>EMBO Journal</i> , 2017 , 36, 549-564	13	36
77	A synthetic intrabody-based selective and generic inhibitor of GPCR endocytosis. <i>Nature Nanotechnology</i> , 2017 , 12, 1190-1198	28.7	27
76	A General Strategy for Discovery of Inhibitors and Activators of RING and U-box E3 Ligases with Ubiquitin Variants. <i>Molecular Cell</i> , 2017 , 68, 456-470.e10	17.6	42
75	Chaperone-Mediated Autophagy Protein BAG3 Negatively Regulates Ebola and Marburg VP40-Mediated Egress. <i>PLoS Pathogens</i> , 2017 , 13, e1006132	7.6	30
74	Potent and selective inhibition of pathogenic viruses by engineered ubiquitin variants. <i>PLoS Pathogens</i> , 2017 , 13, e1006372	7.6	38
73	The influence of microRNAs and poly(A) tail length on endogenous mRNA-protein complexes. <i>Genome Biology</i> , 2017 , 18, 211	18.3	28
72	Synthetic Antibodies in Infectious Disease. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 1053, 79-98	3.6	2
71	Comprehensive Analysis of the Human SH3 Domain Family Reveals a Wide Variety of Non-canonical Specificities. <i>Structure</i> , 2017 , 25, 1598-1610.e3	5.2	56
70	Ubiquitin Ligase WWP1 Interacts with Ebola Virus VP40 To Regulate Egress. <i>Journal of Virology</i> , 2017 , 91,	6.6	27
69	Engineering cell signaling modulators from native protein-protein interactions. <i>Current Opinion in Structural Biology</i> , 2017 , 45, 25-35	8.1	10
68	Genome-wide CRISPR screens reveal a Wnt-FZD5 signaling circuit as a druggable vulnerability of RNF43-mutant pancreatic tumors. <i>Nature Medicine</i> , 2017 , 23, 60-68	50.5	178
67	A Highly Diverse and Functional Na ⁺ Ubiquitin Variant Library for Generation of Intracellular Affinity Reagents. <i>Journal of Molecular Biology</i> , 2017 , 429, 115-127	6.5	11
66	Protein-phosphotyrosine proteome profiling by superbinder-SH2 domain affinity purification mass spectrometry, sSH2-AP-MS. <i>Proteomics</i> , 2017 , 17, 1600360	4.8	15
65	Fc Engineering for Developing Therapeutic Bispecific Antibodies and Novel Scaffolds. <i>Frontiers in Immunology</i> , 2017 , 8, 38	8.4	55
64	Renal Production, Uptake, and Handling of Circulating Klotho. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 79-90	12.7	148

63	Magnetite Biomineralization in <i>Magnetospirillum magneticum</i> Is Regulated by a Switch-like Behavior in the HtrA Protease MamE. <i>Journal of Biological Chemistry</i> , 2016 , 291, 17941-52	5.4	13
62	PTP1B controls non-mitochondrial oxygen consumption by regulating RNF213 to promote tumour survival during hypoxia. <i>Nature Cell Biology</i> , 2016 , 18, 803-813	23.4	55
61	Cytokine Activation by Antibody Fragments Targeted to Cytokine-Receptor Signaling Complexes. <i>Journal of Biological Chemistry</i> , 2016 , 291, 447-61	5.4	9
60	Synthetic Antibodies Inhibit Bcl-2-associated X Protein (BAX) through Blockade of the N-terminal Activation Site. <i>Journal of Biological Chemistry</i> , 2016 , 291, 89-102	5.4	21
59	Rapid isolation of peptidic inhibitors of the solute carrier family transporters OATP1B1 and OATP1B3 by cell-based phage display selections. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 473, 370-6	3.4	1
58	A high-throughput pipeline for the production of synthetic antibodies for analysis of ribonucleoprotein complexes. <i>Rna</i> , 2016 , 22, 636-55	5.8	16
57	A Potent d-Protein Antagonist of VEGF-A is Nonimmunogenic, Metabolically Stable, and Longer-Circulating in Vivo. <i>ACS Chemical Biology</i> , 2016 , 11, 1058-65	4.9	51
56	System-Wide Modulation of HECT E3 Ligases with Selective Ubiquitin Variant Probes. <i>Molecular Cell</i> , 2016 , 62, 121-36	17.6	110
55	Structural interplay between germline interactions and adaptive recognition determines the bandwidth of TCR-peptide-MHC cross-reactivity. <i>Nature Immunology</i> , 2016 , 17, 87-94	19.1	78
54	Intracellular targeting with engineered proteins. <i>F1000Research</i> , 2016 , 5,	3.6	20
53	Inhibition of SCF ubiquitin ligases by engineered ubiquitin variants that target the Cul1 binding site on the Skp1-F-box interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3527-32	11.5	47
52	ITCH E3 Ubiquitin Ligase Interacts with Ebola Virus VP40 To Regulate Budding. <i>Journal of Virology</i> , 2016 , 90, 9163-71	6.6	41
51	Saturation scanning of ubiquitin variants reveals a common hot spot for binding to USP2 and USP21. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 8705-10	11.5	25
50	Cryo-EM of Mitotic Checkpoint Complex-Bound APC/C Reveals Reciprocal and Conformational Regulation of Ubiquitin Ligation. <i>Molecular Cell</i> , 2016 , 63, 593-607	17.6	81
49	A High Through-put Platform for Recombinant Antibodies to Folded Proteins. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 2833-47	7.6	75
48	A switchable yeast display/secretion system. <i>Protein Engineering, Design and Selection</i> , 2015 , 28, 317-25	1.9	32
47	High-Resolution CRISPR Screens Reveal Fitness Genes and Genotype-Specific Cancer Liabilities. <i>Cell</i> , 2015 , 163, 1515-26	56.2	863
46	The demonstration of Klotho deficiency in human chronic kidney disease with a novel synthetic antibody. <i>Nephrology Dialysis Transplantation</i> , 2015 , 30, 223-33	4.3	96

45	Scalable high throughput selection from phage-displayed synthetic antibody libraries. <i>Journal of Visualized Experiments</i> , 2015 , 51492	1.6	16
44	Brain tumor is a sequence-specific RNA-binding protein that directs maternal mRNA clearance during the <i>Drosophila</i> maternal-to-zygotic transition. <i>Genome Biology</i> , 2015 , 16, 94	18.3	59
43	The Cdc15 and Imp2 SH3 domains cooperatively scaffold a network of proteins that redundantly ensure efficient cell division in fission yeast. <i>Molecular Biology of the Cell</i> , 2015 , 26, 256-69	3.5	40
42	Synthetic antibodies and peptides recognizing progressive multifocal leukoencephalopathy-specific point mutations in polyomavirus JC capsid viral protein 1. <i>MAbs</i> , 2015 , 7, 681-92	6.6	13
41	MicroPET/CT imaging of patient-derived pancreatic cancer xenografts implanted subcutaneously or orthotopically in NOD-scid mice using (64)Cu-NOTA-panitumumab F(ab) ₂ fragments. <i>Nuclear Medicine and Biology</i> , 2015 , 42, 71-7	2.1	25
40	Development and characterization of recombinant antibody fragments that recognize and neutralize in vitro Stx2 toxin from Shiga toxin-producing <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2015 , 10, e0120481	3.7	25
39	Synthetic antibody technologies. <i>Current Opinion in Structural Biology</i> , 2014 , 24, 1-9	8.1	41
38	E2 enzyme inhibition by stabilization of a low-affinity interface with ubiquitin. <i>Nature Chemical Biology</i> , 2014 , 10, 156-163	11.7	58
37	A structural portrait of the PDZ domain family. <i>Journal of Molecular Biology</i> , 2014 , 426, 3509-19	6.5	53
36	A systematic approach to identify novel cancer drug targets using machine learning, inhibitor design and high-throughput screening. <i>Genome Medicine</i> , 2014 , 6, 57	14.4	67
35	Alteration of the C-terminal ligand specificity of the erbin PDZ domain by allosteric mutational effects. <i>Journal of Molecular Biology</i> , 2014 , 426, 3500-8	6.5	15
34	Development of inhibitors in the ubiquitination cascade. <i>FEBS Letters</i> , 2014 , 588, 356-67	3.8	57
33	Peptide binding properties of the three PDZ domains of Bazooka (<i>Drosophila</i> Par-3). <i>PLoS ONE</i> , 2014 , 9, e86412	3.7	2
32	Prediction and experimental characterization of nsSNPs altering human PDZ-binding motifs. <i>PLoS ONE</i> , 2014 , 9, e94507	3.7	8
31	CDR-H3 diversity is not required for antigen recognition by synthetic antibodies. <i>Journal of Molecular Biology</i> , 2013 , 425, 803-11	6.5	118
30	A strategy for modulation of enzymes in the ubiquitin system. <i>Science</i> , 2013 , 339, 590-5	33.3	199
29	SH3 interactome conserves general function over specific form. <i>Molecular Systems Biology</i> , 2013 , 9, 652	12.2	47
28	Elucidation of the binding preferences of peptide recognition modules: SH3 and PDZ domains. <i>FEBS Letters</i> , 2012 , 586, 2631-7	3.8	39

27	Antibodies for all: The case for genome-wide affinity reagents. <i>FEBS Letters</i> , 2012 , 586, 2778-9	3.8	17
26	Studying binding specificities of peptide recognition modules by high-throughput phage display selections. <i>Methods in Molecular Biology</i> , 2011 , 781, 87-97	1.4	31
25	Beyond natural antibodies: the power of in vitro display technologies. <i>Nature Biotechnology</i> , 2011 , 29, 245-54	44.5	412
24	Coevolution of PDZ domain-ligand interactions analyzed by high-throughput phage display and deep sequencing. <i>Molecular BioSystems</i> , 2010 , 6, 1782-90		85
23	Rapid evolution of functional complexity in a domain family. <i>Science Signaling</i> , 2009 , 2, ra50	8.8	47
22	Bayesian modeling of the yeast SH3 domain interactome predicts spatiotemporal dynamics of endocytosis proteins. <i>PLoS Biology</i> , 2009 , 7, e1000218	9.7	151
21	Inhibition of Wnt signaling by Dishevelled PDZ peptides. <i>Nature Chemical Biology</i> , 2009 , 5, 217-9	11.7	125
20	The intrinsic contributions of tyrosine, serine, glycine and arginine to the affinity and specificity of antibodies. <i>Journal of Molecular Biology</i> , 2008 , 377, 1518-28	6.5	151
19	Comprehensive analysis of the factors contributing to the stability and solubility of autonomous human VH domains. <i>Journal of Biological Chemistry</i> , 2008 , 283, 3639-3654	5.4	133
18	A specificity map for the PDZ domain family. <i>PLoS Biology</i> , 2008 , 6, e239	9.7	348
17	Identifying specificity profiles for peptide recognition modules from phage-displayed peptide libraries. <i>Nature Protocols</i> , 2007 , 2, 1368-86	18.8	138
16	Phage display for engineering and analyzing protein interaction interfaces. <i>Current Opinion in Structural Biology</i> , 2007 , 17, 481-7	8.1	117
15	High-throughput generation of synthetic antibodies from highly functional minimalist phage-displayed libraries. <i>Journal of Molecular Biology</i> , 2007 , 373, 924-40	6.5	262
14	Comparative structural analysis of the Erbin PDZ domain and the first PDZ domain of ZO-1. Insights into determinants of PDZ domain specificity. <i>Journal of Biological Chemistry</i> , 2006 , 281, 22312-22320	5.4	63
13	Convergent and divergent ligand specificity among PDZ domains of the LAP and zonula occludens (ZO) families. <i>Journal of Biological Chemistry</i> , 2006 , 281, 22299-22311	5.4	81
12	Tyrosine plays a dominant functional role in the paratope of a synthetic antibody derived from a four amino acid code. <i>Journal of Molecular Biology</i> , 2006 , 357, 100-14	6.5	82
11	Molecular recognition by a binary code. <i>Journal of Molecular Biology</i> , 2005 , 348, 1153-62	6.5	169
10	PDZ Domains: Intracellular Mediators of Carboxy-Terminal Protein Recognition and Scaffolding 2005 , 257-278		1

9	Phage-displayed antibody libraries of synthetic heavy chain complementarity determining regions. <i>Journal of Molecular Biology</i> , 2004 , 338, 299-310	6.5	140
8	Comprehensive mutational analysis of the M13 major coat protein: improved scaffolds for C-terminal phage display. <i>Journal of Molecular Biology</i> , 2004 , 340, 587-97	6.5	29
7	High-affinity human antibodies from phage-displayed synthetic Fab libraries with a single framework scaffold. <i>Journal of Molecular Biology</i> , 2004 , 340, 1073-93	6.5	198
6	Synthetic antibodies from a four-amino-acid code: a dominant role for tyrosine in antigen recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 12467-72	11.5	239
5	Origins of PDZ domain ligand specificity. Structure determination and mutagenesis of the Erbin PDZ domain. <i>Journal of Biological Chemistry</i> , 2003 , 278, 7645-54	5.4	118
4	Exploring protein-protein interactions with phage display. <i>ChemBioChem</i> , 2003 , 4, 14-25	3.8	135
3	Functional genomics of intracellular peptide recognition domains with combinatorial biology methods. <i>Current Opinion in Chemical Biology</i> , 2003 , 7, 97-102	9.7	20
2	Efficient phage display of polypeptides fused to the carboxy-terminus of the M13 gene-3 minor coat protein. <i>FEBS Letters</i> , 2000 , 480, 231-4	3.8	42
1	Phage display for selection of novel binding peptides. <i>Methods in Enzymology</i> , 2000 , 328, 333-63	1.7	323