

Sachdev S Sidhu

List of Publications by Year in descending order

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156
papers

11,236
citations

36203

51
h-index

34900

98
g-index

167
all docs

167
docs citations

167
times ranked

16218
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifaceted N-Degron Recognition and Ubiquitylation by GID/CTLH E3 Ligases. <i>Journal of Molecular Biology</i> , 2022, 434, 167347.	2.0	15
2	MMD-associated <i>RNF213</i> SNPs encode dominant-negative alleles that globally impair ubiquitylation. <i>Life Science Alliance</i> , 2022, 5, e202000807.	1.3	7
3	Synthetic antibodies block receptor binding and current inhibiting effects of <i>Bratoxin</i> from <i>Naja kaouthia</i> . <i>Protein Science</i> , 2022, 31, e4296.	3.1	5
4	Panel of Engineered Ubiquitin Variants Targeting the Family of Human Ubiquitin Interacting Motifs. <i>ACS Chemical Biology</i> , 2022, 17, 941-956.	1.6	5
5	Peptide Antibody Fusions Engineered by Phage Display Exhibit an Ultrapotent and Broad Neutralization of SARS-CoV-2 Variants. <i>ACS Chemical Biology</i> , 2022, 17, 1978-1988.	1.6	7
6	A Quantitative Assay for Ca ²⁺ Uptake through Normal and Pathological Hemichannels. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7337.	1.8	3
7	A Designer Nanoparticle Platform for Controlled Intracellular Delivery of Bioactive Macromolecules: Inhibition of Ubiquitin-Specific Protease 7 in Breast Cancer Cells. <i>ACS Chemical Biology</i> , 2022, 17, 1853-1865.	1.6	3
8	A T cell redirection platform for co-targeting dual antigens on solid tumors. <i>MAbs</i> , 2021, 13, 1933690.	2.6	3
9	Angiotensin Counteracts the Negative Regulatory Effect of Host WWOX on Viral PPxY-Mediated Egress. <i>Journal of Virology</i> , 2021, 95, .	1.5	3
10	Anti-ferroptotic mechanism of IL4i1-mediated amino acid metabolism. <i>ELife</i> , 2021, 10, .	2.8	58
11	Human ACE2 receptor polymorphisms and altered susceptibility to SARS-CoV-2. <i>Communications Biology</i> , 2021, 4, 475.	2.0	126
12	SynNotch-CAR T cells overcome challenges of specificity, heterogeneity, and persistence in treating glioblastoma. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	215
13	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.	2.0	8
14	A Norrin/Wnt surrogate antibody stimulates endothelial cell barrier function and rescues retinopathy. <i>EMBO Molecular Medicine</i> , 2021, 13, e13977.	3.3	30
15	Inhibition of Cancer Cell Adhesion, Migration and Proliferation by a Bispecific Antibody that Targets two Distinct Epitopes on α v Integrins. <i>Journal of Molecular Biology</i> , 2021, 433, 167090.	2.0	2
16	Comprehensive Assessment of the Relationship Between Site ² Specificity and Helix α 2 in the Erbin PDZ Domain. <i>Journal of Molecular Biology</i> , 2021, 433, 167115.	2.0	0
17	Tetavalent SARS-CoV-2 Neutralizing Antibodies Show Enhanced Potency and Resistance to Escape Mutations. <i>Journal of Molecular Biology</i> , 2021, 433, 167177.	2.0	31
18	Systematic Engineering of Optimized Autonomous Heavy-Chain Variable Domains. <i>Journal of Molecular Biology</i> , 2021, 433, 167241.	2.0	3

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19	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.	2.0	5
20	USP10 Promotes Fibronectin Recycling, Secretion, and Organization. , 2021, 62, 15.		3
21	The Deleterious Effects of Shiga Toxin Type 2 Are Neutralized In Vitro by FabF8:Stx2 Recombinant Monoclonal Antibody. <i>Toxins</i> , 2021, 13, 825.	1.5	2
22	Discovery of an exosite on the SOCS2-SH2 domain that enhances SH2 binding to phosphorylated ligands. <i>Nature Communications</i> , 2021, 12, 7032.	5.8	8
23	Performance of soluble Klotho assays in clinical samples of kidney disease. <i>CKJ: Clinical Kidney Journal</i> , 2020, 13, 235-244.	1.4	38
24	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.	2.0	22
25	Comprehensive analysis of all evolutionary paths between two divergent PDZ domain specificities. <i>Protein Science</i> , 2020, 29, 433-442.	3.1	17
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.	2.5	13
27	A phage-displayed single-chain Fab library optimized for rapid production of single-chain IgGs. <i>Protein Science</i> , 2020, 29, 2075-2084.	3.1	3
28	The RNA-Binding Protein Rasputin/G3BP Enhances the Stability and Translation of Its Target mRNAs. <i>Cell Reports</i> , 2020, 30, 3353-3367.e7.	2.9	33
29	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.	5.1	380
30	<i>In situ</i> antibody phage display yields optimal inhibitors of integrin $\alpha 11/\beta 1$. <i>MAbs</i> , 2020, 12, 1717265.	2.6	13
31	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.	2.1	11
32	A Synthetic Human Antibody Antagonizes IL-18R β Signaling Through an Allosteric Mechanism. <i>Journal of Molecular Biology</i> , 2020, 432, 1169-1182.	2.0	5
33	Bead-based multiplex detection of dengue biomarkers in a portable imaging device. <i>Biomedical Optics Express</i> , 2020, 11, 6154.	1.5	8
34	Large-scale survey and database of high affinity ligands for peptide recognition modules. <i>Molecular Systems Biology</i> , 2020, 16, e9310.	3.2	22
35	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.	0.4	16
36	Identification and Characterization of Mutations in Ubiquitin Required for Non-covalent Dimer Formation. <i>Structure</i> , 2019, 27, 1452-1459.e4.	1.6	5

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37	Optimization of peptidic HIV-1 fusion inhibitor T20 by phage display. <i>Protein Science</i> , 2019, 28, 1501-1512.	3.1	4
38	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.	2.0	9
39	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.	3.3	22
40	A rapid in vitro methodology for simultaneous target discovery and antibody generation against functional cell subpopulations. <i>Scientific Reports</i> , 2019, 9, 842.	1.6	10
41	Structural and Functional Characterization of Ubiquitin Variant Inhibitors of USP15. <i>Structure</i> , 2019, 27, 590-605.e5.	1.6	47
42	Inhibition of Marburg Virus RNA Synthesis by a Synthetic Anti-VP35 Antibody. <i>ACS Infectious Diseases</i> , 2019, 5, 1385-1396.	1.8	14
43	Emerging drug development technologies targeting ubiquitination for cancer therapeutics. , 2019, 199, 139-154.		52
44	Innate Control of Tissue-Reparative Human Regulatory T Cells. <i>Journal of Immunology</i> , 2019, 202, 2195-2209.	0.4	35
45	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.	1.6	11
46	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.	2.0	14
47	Dimerization of a ubiquitin variant leads to high affinity interactions with a ubiquitin interacting motif. <i>Protein Science</i> , 2019, 28, 848-856.	3.1	9
48	Yeast Two-Hybrid Analysis for Ubiquitin Variant Inhibitors of Human Deubiquitinases. <i>Journal of Molecular Biology</i> , 2019, 431, 1160-1171.	2.0	6
49	A Multiplexed, Point-of-Care Sensing for Dengue. , 2019, , .		3
50	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.	1.6	3
51	Engineered SH2 domains with tailored specificities and enhanced affinities for phosphoproteome analysis. <i>Protein Science</i> , 2019, 28, 403-413.	3.1	10
52	Allosteric Modulation of Binding Specificity by Alternative Packing of Protein Cores. <i>Journal of Molecular Biology</i> , 2019, 431, 336-350.	2.0	20
53	Blockade of TGF- β 2 signaling with novel synthetic antibodies limits immune exclusion and improves chemotherapy response in metastatic ovarian cancer models. <i>Oncimmunology</i> , 2019, 8, e1539613.	2.1	33
54	EPH Profiling of BTIC Populations in Glioblastoma Multiforme Using CyTOF. <i>Methods in Molecular Biology</i> , 2019, 1869, 155-168.	0.4	7

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55	Peptides meet ubiquitin: Simple interactions regulating complex cell signaling. <i>Peptide Science</i> , 2019, 111, e24091.	1.0	4
56	Tailored tetravalent antibodies potently and specifically activate Wnt/Frizzled pathways in cells, organoids and mice. <i>ELife</i> , 2019, 8, .	2.8	67
57	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.	3.3	44
58	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.	4.5	145
59	Allosteric inhibitors hit USP7 hard. <i>Nature Chemical Biology</i> , 2018, 14, 110-111.	3.9	15
60	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.	1.3	27
61	Construction of Synthetic Antibody Phage-Display Libraries. <i>Methods in Molecular Biology</i> , 2018, 1701, 45-60.	0.4	20
62	Protocadherin-1 is essential for cell entry by New World hantaviruses. <i>Nature</i> , 2018, 563, 559-563.	13.7	84
63	Biosynthetic Oligoclonal Antivenom (BOA) for Snakebite and Next-Generation Treatments for Snakebite Victims. <i>Toxins</i> , 2018, 10, 534.	1.5	64
64	Generating Intracellular Modulators of E3 Ligases and Deubiquitinases from Phage-Displayed Ubiquitin Variant Libraries. <i>Methods in Molecular Biology</i> , 2018, 1844, 101-119.	0.4	6
65	Intracellular Delivery of Human Purine Nucleoside Phosphorylase by Engineered Diphtheria Toxin Rescues Function in Target Cells. <i>Molecular Pharmaceutics</i> , 2018, 15, 5217-5226.	2.3	16
66	A synthetic anti-Frizzled antibody engineered for broadened specificity exhibits enhanced anti-tumor properties. <i>MAbs</i> , 2018, 10, 1157-1167.	2.6	39
67	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.	0.4	1
68	Structure-Guided Combinatorial Engineering Facilitates Affinity and Specificity Optimization of Anti-CD81 Antibodies. <i>Journal of Molecular Biology</i> , 2018, 430, 2139-2152.	2.0	14
69	Construction of Synthetic Phage Displayed Fab Library with Tailored Diversity. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	3
70	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.	1.6	27
71	Host Protein BAG3 is a Negative Regulator of Lassa VLP Egress. <i>Diseases (Basel, Switzerland)</i> , 2018, 6, 64.	1.0	11
72	Inhibition of 53BP1 favors homology-dependent DNA repair and increases CRISPR-Cas9 genome-editing efficiency. <i>Nature Biotechnology</i> , 2018, 36, 95-102.	9.4	206

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73	Creation of Phosphotyrosine Superbinders by Directed Evolution of an SH2 Domain. <i>Methods in Molecular Biology</i> , 2017, 1555, 225-254.	0.4	7
74	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.	3.1	20
75	Structure-Directed and Tailored Diversity Synthetic Antibody Libraries Yield Novel Anti-EGFR Antagonists. <i>ACS Chemical Biology</i> , 2017, 12, 1381-1389.	1.6	16
76	Generation and Validation of Intracellular Ubiquitin Variant Inhibitors for USP7 and USP10. <i>Journal of Molecular Biology</i> , 2017, 429, 3546-3560.	2.0	44
77	Fluorescence-based ATG8 sensors monitor localization and function of LC3/GABARAP proteins. <i>EMBO Journal</i> , 2017, 36, 549-564.	3.5	49
78	A synthetic intrabody-based selective and generic inhibitor of GPCR endocytosis. <i>Nature Nanotechnology</i> , 2017, 12, 1190-1198.	15.6	42
79	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.	4.5	56
80	Comprehensive Analysis of the Human SH3 Domain Family Reveals a Wide Variety of Non-canonical Specificities. <i>Structure</i> , 2017, 25, 1598-1610.e3.	1.6	105
81	Ubiquitin Ligase WWP1 Interacts with Ebola Virus VP40 To Regulate Egress. <i>Journal of Virology</i> , 2017, 91, .	1.5	37
82	Engineering cell signaling modulators from native protein-protein interactions. <i>Current Opinion in Structural Biology</i> , 2017, 45, 25-35.	2.6	13
83	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.	15.2	261
84	A Highly Diverse and Functional Na ⁺ -ve Ubiquitin Variant Library for Generation of Intracellular Affinity Reagents. <i>Journal of Molecular Biology</i> , 2017, 429, 115-127.	2.0	18
85	Protein-phosphotyrosine proteome profiling by superbinder-SH2 domain affinity purification mass spectrometry, sSH2-AP-MS. <i>Proteomics</i> , 2017, 17, 1600360.	1.3	21
86	Fc Engineering for Developing Therapeutic Bispecific Antibodies and Novel Scaffolds. <i>Frontiers in Immunology</i> , 2017, 8, 38.	2.2	80
87	Chaperone-Mediated Autophagy Protein BAG3 Negatively Regulates Ebola and Marburg VP40-Mediated Egress. <i>PLoS Pathogens</i> , 2017, 13, e1006132.	2.1	43
88	Potent and selective inhibition of pathogenic viruses by engineered ubiquitin variants. <i>PLoS Pathogens</i> , 2017, 13, e1006372.	2.1	48
89	The influence of microRNAs and poly(A) tail length on endogenous mRNA-protein complexes. <i>Genome Biology</i> , 2017, 18, 211.	3.8	46
90	Synthetic Antibodies in Infectious Disease. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1053, 79-98.	0.8	3

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91	Intracellular targeting with engineered proteins. <i>F1000Research</i> , 2016, 5, 1947.	0.8	30
92	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, 3527-3532.	3.3	61
93	ITCH E3 Ubiquitin Ligase Interacts with Ebola Virus VP40 To Regulate Budding. <i>Journal of Virology</i> , 2016, 90, 9163-9171.	1.5	60
94	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, 8705-8710.	3.3	36
95	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.	4.5	123
96	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, 17941-17952.	1.6	23
97	PTP1B controls non-mitochondrial oxygen consumption by regulating RNF213 to promote tumour survival during hypoxia. <i>Nature Cell Biology</i> , 2016, 18, 803-813.	4.6	95
98	Cytokine Activation by Antibody Fragments Targeted to Cytokine-Receptor Signaling Complexes. <i>Journal of Biological Chemistry</i> , 2016, 291, 447-461.	1.6	9
99	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.	1.6	25
100	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, 370-376.	1.0	5
101	A high-throughput pipeline for the production of synthetic antibodies for analysis of ribonucleoprotein complexes. <i>Rna</i> , 2016, 22, 636-655.	1.6	22
102	A Potent α -Protein Antagonist of VEGF-A is Nonimmunogenic, Metabolically Stable, and Longer-Circulating <i>in Vivo</i> . <i>ACS Chemical Biology</i> , 2016, 11, 1058-1065.	1.6	69
103	System-Wide Modulation of HECT E3 Ligases with Selective Ubiquitin Variant Probes. <i>Molecular Cell</i> , 2016, 62, 121-136.	4.5	142
104	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.	7.0	122
105	Renal Production, Uptake, and Handling of Circulating β -Klotho. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 79-90.	3.0	203
106	Scalable High Throughput Selection From Phage-displayed Synthetic Antibody Libraries. <i>Journal of Visualized Experiments</i> , 2015, , 51492.	0.2	22
107	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.	3.8	80
108	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, 256-269.	0.9	51

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109	Synthetic antibodies and peptides recognizing progressive multifocal leukoencephalopathy-specific point mutations in polyomavirus JC capsid viral protein 1. <i>MAbs</i> , 2015, 7, 681-692.	2.6	19
110	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, 71-77.	0.3	35
111	A High Through-put Platform for Recombinant Antibodies to Folded Proteins. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2833-2847.	2.5	100
112	A switchable yeast display/secretion system. <i>Protein Engineering, Design and Selection</i> , 2015, 28, 317-325.	1.0	52
113	High-Resolution CRISPR Screens Reveal Fitness Genes and Genotype-Specific Cancer Liabilities. <i>Cell</i> , 2015, 163, 1515-1526.	13.5	1,339
114	The demonstration of Klotho deficiency in human chronic kidney disease with a novel synthetic antibody. <i>Nephrology Dialysis Transplantation</i> , 2015, 30, 223-233.	0.4	124
115	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.	1.1	28
116	Peptide Binding Properties of the Three PDZ Domains of Bazooka (<i>Drosophila</i> Par-3). <i>PLoS ONE</i> , 2014, 9, e86412.	1.1	2
117	Prediction and Experimental Characterization of nsSNPs Altering Human PDZ-Binding Motifs. <i>PLoS ONE</i> , 2014, 9, e94507.	1.1	10
118	Synthetic antibody technologies. <i>Current Opinion in Structural Biology</i> , 2014, 24, 1-9.	2.6	57
119	E2 enzyme inhibition by stabilization of a low-affinity interface with ubiquitin. <i>Nature Chemical Biology</i> , 2014, 10, 156-163.	3.9	81
120	A Structural Portrait of the PDZ Domain Family. <i>Journal of Molecular Biology</i> , 2014, 426, 3509-3519.	2.0	71
121	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.	3.6	101
122	Alteration of the C-Terminal Ligand Specificity of the Erbin PDZ Domain by Allosteric Mutational Effects. <i>Journal of Molecular Biology</i> , 2014, 426, 3500-3508.	2.0	17
123	Development of inhibitors in the ubiquitination cascade. <i>FEBS Letters</i> , 2014, 588, 356-367.	1.3	67
124	FROM NATURAL ANTIBODIES TO SYNTHETIC PROTEINS. , 2014, , .		0
125	CDR-H3 Diversity Is Not Required for Antigen Recognition by Synthetic Antibodies. <i>Journal of Molecular Biology</i> , 2013, 425, 803-811.	2.0	150
126	A Strategy for Modulation of Enzymes in the Ubiquitin System. <i>Science</i> , 2013, 339, 590-595.	6.0	257

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127	SH3 interactome conserves general function over specific form. <i>Molecular Systems Biology</i> , 2013, 9, 652.	3.2	61
128	Elucidation of the binding preferences of peptide recognition modules: SH3 and PDZ domains. <i>FEBS Letters</i> , 2012, 586, 2631-2637.	1.3	43
129	Antibodies for all: The case for genome-wide affinity reagents. <i>FEBS Letters</i> , 2012, 586, 2778-2779.	1.3	17
130	Studying Binding Specificities of Peptide Recognition Modules by High-Throughput Phage Display Selections. <i>Methods in Molecular Biology</i> , 2011, 781, 87-97.	0.4	31
131	Beyond natural antibodies: the power of in vitro display technologies. <i>Nature Biotechnology</i> , 2011, 29, 245-254.	9.4	482
132	Coevolution of PDZ domain-ligand interactions analyzed by high-throughput phage display and deep sequencing. <i>Molecular BioSystems</i> , 2010, 6, 1782.	2.9	107
133	Rapid Evolution of Functional Complexity in a Domain Family. <i>Science Signaling</i> , 2009, 2, ra50.	1.6	57
134	Bayesian Modeling of the Yeast SH3 Domain Interactome Predicts Spatiotemporal Dynamics of Endocytosis Proteins. <i>PLoS Biology</i> , 2009, 7, e1000218.	2.6	172
135	Inhibition of Wnt signaling by Dishevelled PDZ peptides. <i>Nature Chemical Biology</i> , 2009, 5, 217-219.	3.9	143
136	The Intrinsic Contributions of Tyrosine, Serine, Glycine and Arginine to the Affinity and Specificity of Antibodies. <i>Journal of Molecular Biology</i> , 2008, 377, 1518-1528.	2.0	196
137	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.	1.6	157
138	A Specificity Map for the PDZ Domain Family. <i>PLoS Biology</i> , 2008, 6, e239.	2.6	410
139	High-throughput Generation of Synthetic Antibodies from Highly Functional Minimalist Phage-displayed Libraries. <i>Journal of Molecular Biology</i> , 2007, 373, 924-940.	2.0	315
140	Identifying specificity profiles for peptide recognition modules from phage-displayed peptide libraries. <i>Nature Protocols</i> , 2007, 2, 1368-1386.	5.5	174
141	Phage display for engineering and analyzing protein interaction interfaces. <i>Current Opinion in Structural Biology</i> , 2007, 17, 481-487.	2.6	132
142	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, 100-114.	2.0	96
143	Comparative Structural Analysis of the Erbin PDZ Domain and the First PDZ Domain of ZO-1. <i>Journal of Biological Chemistry</i> , 2006, 281, 22312-22320.	1.6	70
144	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.	1.6	94

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145	PDZ Domains: Intracellular Mediators of Carboxy-Terminal Protein Recognition and Scaffolding. , 2005, , 257-278.		1
146	Molecular Recognition by a Binary Code. Journal of Molecular Biology, 2005, 348, 1153-1162.	2.0	189
147	Phage-displayed Antibody Libraries of Synthetic Heavy Chain Complementarity Determining Regions. Journal of Molecular Biology, 2004, 338, 299-310.	2.0	157
148	Comprehensive Mutational Analysis of the M13 Major Coat Protein: Improved Scaffolds for C-terminal Phage Display. Journal of Molecular Biology, 2004, 340, 587-597.	2.0	32
149	High-affinity Human Antibodies from Phage-displayed Synthetic Fab Libraries with a Single Framework Scaffold. Journal of Molecular Biology, 2004, 340, 1073-1093.	2.0	222
150	Synthetic antibodies from a four-amino-acid code: A dominant role for tyrosine in antigen recognition. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12467-12472.	3.3	276
151	Exploring Protein-Protein Interactions with Phage Display. ChemBioChem, 2003, 4, 14-25.	1.3	161
152	Functional genomics of intracellular peptide recognition domains with combinatorial biology methods. Current Opinion in Chemical Biology, 2003, 7, 97-102.	2.8	21
153	Origins of PDZ Domain Ligand Specificity. Journal of Biological Chemistry, 2003, 278, 7645-7654.	1.6	134
154	Efficient phage display of polypeptides fused to the carboxy-terminus of the M13 gene-3 minor coat protein. FEBS Letters, 2000, 480, 231-234.	1.3	57
155	[21] Phage display for selection of novel binding peptides. Methods in Enzymology, 2000, 328, 333-IN5.	0.4	359
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