James A Wells

List of Publications by Year
in descending order

191	30,060	8180 76	4991 167
papers	citations	h-index	g-index

215	215	215	33486
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	11.2	4,036
2	Reaching for high-hanging fruit in drug discovery at proteinâ€“protein interfaces. Nature, 2007, 450, 1001-1009.	27.8	1,777
3	K-Ras(G12C) inhibitors allosterically control GTP affinity and effector interactions. Nature, 2013, 503, 548-551.	27.8	1,713
4	Small-molecule inhibitors of proteinâ€“protein interactions: progressing towards the dream. Nature Reviews Drug Discovery, 2004, 3, 301-317.	46.4	1,488
5	Small-Molecule Inhibitors of Protein-Protein Interactions: Progressing toward the Reality. Chemistry and Biology, 2014, 21, 1102-1114.	6.0	865
6	Convergent Solutions to Binding at a Protein-Protein Interface. Science, 2000, 287, 1279-1283.	12.6	651
7	Dissecting the catalytic triad of a serine protease. Nature, 1988, 332, 564-568.	27.8	638
8	Quantitative Proteomics Reveal a Feedforward Mechanism for Mitochondrial PARKIN Translocation and Ubiquitin Chain Synthesis. Molecular Cell, 2014, 56, 360-375.	9.7	550
9	Caspases and their substrates. Cell Death and Differentiation, 2017, 24, 1380-1389.	11.2	549
10	Sexually Dimorphic Neurons in the Ventromedial Hypothalamus Govern Mating in Both Sexes and Aggression in Males. Cell, 2013, 153, 896-909.	28.9	531
11	Comparison of a Structural and a Functional Epitope. Journal of Molecular Biology, 1993, 234, 554-563.	4.2	522
12	Crystal Structure at 1.7 Ã… Resolution of VEGF in Complex with Domain 2 of the Flt-1 Receptor. Cell, 1997, 91, 695-704.	28.9	471
13	Global Sequencing of Proteolytic Cleavage Sites in Apoptosis by Specific Labeling of Protein N Termini. Cell, 2008, 134, 866-876.	28.9	429
14	Cloning, sequencing, and secretion of Bacillusamyloliquefacienssubtillisin inBacillus subtilis. Nucleic Acids Research, 1983, 11, 7911-7925.	14.5	408
15	Tethering: Fragment-Based Drug Discovery. Annual Review of Biophysics and Biomolecular Structure, 2004, 33, 199-223.	18.3	375
16	Binding of small molecules to an adaptive protein-protein interface. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1603-1608.	7.1	363
17	Hormone phage: An enrichment method for variant proteins with altered binding properties. Proteins: Structure, Function and Bioinformatics, 1990, 8, 309-314.	2.6	360
18	[21] Phage display for selection of novel binding peptides. Methods in Enzymology, 2000, 328, 333-IN5.	1.0	359

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19	Redox-based reagents for chemoselective methionine bioconjugation. Science, 2017, 355, 597-602.	12.6	353
20	Selecting high-affinity binding proteins by monovalent phage display. Biochemistry, 1991, 30, 10832-10838.	2.5	332
21	[18] Systematic mutational analyses of protein-protein interfaces. Methods in Enzymology, 1991, 202, 390-411.	1.0	311
22	Hematopoietic Receptor Complexes. Annual Review of Biochemistry, 1996, 65, 609-634.	11.1	294
23	Searching for new allosteric sites in enzymes. Current Opinion in Structural Biology, 2004, 14, 706-715.	5.7	293
24	Cassette mutagenesis: an efficient method for generation of multiple mutations at defined sites. Gene, 1985, 34, 315-323.	2.2	291
25	Subtilisin â€" an enzyme designed to be engineered. Trends in Biochemical Sciences, 1988, 13, 291-297.	7.5	276
26	Structural and functional analysis of the 1:1 growth hormone:receptor complex reveals the molecular basis for receptor affinity. Journal of Molecular Biology, 1998, 277, 1111-1128.	4.2	274
27	Caspase Substrates and Cellular Remodeling. Annual Review of Biochemistry, 2011, 80, 1055-1087.	11.1	272
28	Mutations of the Growth Hormone Receptor in Children with Idiopathic Short Stature. New England Journal of Medicine, 1995, 333, 1093-1098.	27.0	268
29	Engineering subtilisin and its substrates for efficient ligation of peptide bonds in aqueous solution. Biochemistry, 1991, 30, 4151-4159.	2.5	237
30	Affinity Maturation of Human Growth Hormone by Monovalent Phage Display. Journal of Molecular Biology, 1993, 234, 564-578.	4.2	231
31	Discovery of an allosteric site in the caspases. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12461-12466.	7.1	231
32	In vitro selection from protein and peptide libraries. Trends in Biotechnology, 1994, 12, 173-184.	9.3	230
33	Repairing research integrity. Nature, 2008, 453, 980-982.	27.8	228
34	Requirements for Binding and Signaling of the Kinase Domain Receptor for Vascular Endothelial Growth Factor. Journal of Biological Chemistry, 1998, 273, 11197-11204.	3.4	226
35	Stable heterodimers from remodeling the domain interface of a homodimer using a phage display library. Journal of Molecular Biology, 1997, 270, 26-35.	4.2	224
36	High resolution functional analysis of antibody-antigen interactions. Journal of Molecular Biology, 1992, 226, 851-865.	4.2	222

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37	Engineered ACE2 receptor traps potently neutralize SARS-CoV-2. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28046-28055.	7.1	219
38	Development of Antibody-Based PROTACs for the Degradation of the Cell-Surface Immune Checkpoint Protein PD-L1. Journal of the American Chemical Society, 2021, 143, 593-598.	13.7	219
39	Long-acting Growth Hormones Produced by Conjugation with Polyethylene Glycol. Journal of Biological Chemistry, 1996, 271, 21969-21977.	3.4	216
40	Caspase-1 causes truncation and aggregation of the Parkinsonâ€™s disease-associated protein Î±-synuclein. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9587-9592.	7.1	202
41	Turning enzymes ON with small molecules. Nature Chemical Biology, 2010, 6, 179-188.	8.0	197
42	Activation of Specific Apoptotic Caspases with an Engineered Small-Molecule-Activated Protease. Cell, 2010, 142, 637-646.	28.9	191
43	CryptoSite: Expanding the Druggable Proteome by Characterization and Prediction of Cryptic Binding Sites. Journal of Molecular Biology, 2016, 428, 709-719.	4.2	190
44	Novel Peptides Selected to Bind Vascular Endothelial Growth Factor Target the Receptor-Binding Site. Biochemistry, 1998, 37, 17754-17764.	2.5	186
45	Structural Plasticity in a Remodeled Protein-Protein Interface. Science, 1997, 278, 1125-1128.	12.6	183
46	Inflammatory Stimuli Regulate Caspase Substrate Profiles. Molecular and Cellular Proteomics, 2010, 9, 880-893.	3.8	172
47	Global kinetic analysis of proteolysis via quantitative targeted proteomics. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1913-1918.	7.1	169
48	A common allosteric site and mechanism in caspases. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7595-7600.	7.1	154
49	Small-Molecule Activators of a Proenzyme. Science, 2009, 326, 853-858.	12.6	147
50	Hot-spot mimicry of a cytokine receptor by a small molecule. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15422-15427.	7.1	136
51	Turning a protein kinase on or off from a single allosteric site via disulfide trapping. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6056-6061.	7.1	134
52	Antibody Humanization Using Monovalent Phage Display. Journal of Biological Chemistry, 1997, 272, 10678-10684.	3.4	129
53	High copy display of large proteins on phage for functional selections 1 1Edited by P. E. Wright. Journal of Molecular Biology, 2000, 296, 487-495.	4.2	124
54	The DegraBase: A Database of Proteolysis in Healthy and Apoptotic Human Cells. Molecular and Cellular Proteomics, 2013, 12, 813-824.	3.8	124

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55	Crystal structures of bovine chymotrypsin and trypsin complexed to the inhibitor domain of alzheimer's amyloid Î²â€protein precursor (APPI) and basic pancreatic trypsin inhibitor (BPTI): Engineering of inhibitors with altered specificities. Protein Science, 1997, 6, 1806-1824.	7.6	122
56	A reactivity-based probe of the intracellular labile ferrous iron pool. Nature Chemical Biology, 2016, 12, 680-685.	8.0	122
57	An expanded allosteric network in PTP1B by multitemperature crystallography, fragment screening, and covalent tethering. ELife, 2018, 7, .	6.0	120
58	SARS-CoV-2 antibody magnitude and detectability are driven by disease severity, timing, and assay. Science Advances, 2021, 7, .	10.3	117
59	Engineering subtilisin BPNâ€² for site-specific proteolysis. Proteins: Structure, Function and Bioinformatics, 1989, 6, 240-248.	2.6	112
60	Prolactin Receptor Antagonists That Inhibit the Growth of Breast Cancer Cell Lines. Journal of Biological Chemistry, 1995, 270, 13133-13137.	3.4	112
61	Direct activation of the apoptosis machinery as a mechanism to target cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7533-7538.	7.1	109
62	A survey of furin substrate specificity using substrate phage display. Protein Science, 1994, 3, 1197-1205.	7.6	107
63	Engineering luminescent biosensors for point-of-care SARS-CoV-2 antibody detection. Nature Biotechnology, 2021, 39, 928-935.	17.5	106
64	Sampling the N-terminal proteome of human blood. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4561-4566.	7.1	102
65	Reaction of 5,5'-dithiobis(2-nitrobenzoic acid) with myosin subfragment one: evidence for formation of a single protein disulfide with trapping of metal nucleotide at the active site. Biochemistry, 1980, 19, 1711-1717.	2.5	100
66	A High Through-put Platform for Recombinant Antibodies to Folded Proteins. Molecular and Cellular Proteomics, 2015, 14, 2833-2847.	3.8	100
67	Potent Small-Molecule Binding to a Dynamic Hot Spot on IL-2. Journal of the American Chemical Society, 2003, 125, 15280-15281.	13.7	99
68	Quantitative MS-based enzymology of caspases reveals distinct protein substrate specificities, hierarchies, and cellular roles. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2001-10.	7.1	99
69	Substrates of IAP Ubiquitin Ligases Identified with a Designed Orthogonal E3 Ligase, the NEDDylator. Molecular Cell, 2013, 49, 273-282.	9.7	98
70	Structural and functional basis for hormone binding and receptor oligomerization. Current Opinion in Cell Biology, 1994, 6, 163-173.	5.4	94
71	Ligand-binding domains of nuclear receptors facilitate tight control of split CRISPR activity. Nature Communications, 2016, 7, 12009.	12.8	90
72	An Allosteric Circuit in Caspase-1. Journal of Molecular Biology, 2008, 381, 1157-1167.	4.2	83

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73	Dissecting the energetics of an antibodyâ€antigen interface by alanine shaving and molecular grafting. Protein Science, 1994, 3, 2351-2357.	7.6	82
74	Two-state selection of conformation-specific antibodies. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3071-3076.	7.1	82
75	Subtiligase-Catalyzed Peptide Ligation. Chemical Reviews, 2020, 120, 3127-3160.	47.7	81
76	Engineering peptide ligase specificity by proteomic identification of ligation sites. Nature Chemical Biology, 2018, 14, 50-57.	8.0	80
77	Improvement in the alkaline stability of subtilisin using an efficient random mutagenesis and screening procedure. Protein Engineering, Design and Selection, 1987, 1, 319-325.	2.1	79
78	Designing Subtilisin BPN' To Cleave Substrates Containing Dibasic Residues. Biochemistry, 1995, 34, 13312-13319.	2.5	79
79	Bi-paratopic and multivalent VH domains block ACE2 binding and neutralize SARS-CoV-2. Nature Chemical Biology, 2021, 17, 113-121.	8.0	78
80	Functional interaction among catalytic residues in subtilisin BPNâ€². Proteins: Structure, Function and Bioinformatics, 1990, 7, 335-342.	2.6	77
81	Disulfide trapping to localize small-molecule agonists and antagonists for a G protein-coupled receptor. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2719-2724.	7.1	76
82	Enzymic Cyclization of Linear Peptide Esters Using Subtiligase. Journal of the American Chemical Society, 1995, 117, 819-820.	13.7	74
83	Self-Assembling Small Molecules Form Nanofibrils That Bind Procaspase-3 To Promote Activation. Journal of the American Chemical Society, 2011, 133, 19630-19633.	13.7	74
84	Ordering a Dynamic Protein Via a Small-Molecule Stabilizer. Journal of the American Chemical Society, 2013, 135, 3363-3366.	13.7	74
85	A small-molecule mimic of a peptide docking motif inhibits the protein kinase PDK1. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18590-18595.	7.1	72
86	Targeting RAS-driven human cancer cells with antibodies to upregulated and essential cell-surface proteins. ELife, 2018, 7, .	6.0	72
87	Comparative Analysis of Mitochondrial N-Termini from Mouse, Human, and Yeast. Molecular and Cellular Proteomics, 2017, 16, 512-523.	3.8	71
88	ReScan, a Multiplex Diagnostic Pipeline, Pans Human Sera for SARS-CoV-2 Antigens. Cell Reports Medicine, 2020, 1, 100123.	6.5	70
89	Quantitative profiling of caspase-cleaved substrates reveals different drug-induced and cell-type patterns in apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12432-12437.	7.1	69
90	Furilisin:â€‰ A Variant of Subtilisin BPNâ€˜ Engineered for Cleaving Tribasic Substrates. Biochemistry, 1996, 35, 13579-13585.	2.5	68

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91	Methods for the proteomic identification of protease substrates. Current Opinion in Chemical Biology, 2009, 13, 503-509.	6.1	68
92	Nature-inspired design of motif-specific antibody scaffolds. Nature Biotechnology, 2013, 31, 916-921.	17.5	66
93	[14] Synthesis of proteins by subtiligase. Methods in Enzymology, 1997, 289, 298-313.	1.0	65
94	Probing the importance of second sphere residues in an esterolytic antibody by phage display. Journal of Molecular Biology, 1998, 284, 1083-1094.	4.2	63
95	Structural snapshots reveal distinct mechanisms of procaspase-3 and -7 activation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8477-8482.	7.1	63
96	Time-Resolved Proteomics Extends Ribosome Profiling-Based Measurements of Protein Synthesis Dynamics. Cell Systems, 2017, 4, 636-644.e9.	6.2	62
97	Competitive SARS-CoV-2 Serology Reveals Most Antibodies Targeting the Spike Receptor-Binding Domain Compete for ACE2 Binding. MSphere, 2020, 5, .	2.9	62
98	Prediction of protease substrates using sequence and structure features. Bioinformatics, 2010, 26, 1714-1722.	4.1	61
99	The CD28-Transmembrane Domain Mediates Chimeric Antigen Receptor Heterodimerization With CD28. Frontiers in Immunology, 2021, 12, 639818.	4.8	60
100	Global cellular response to chemotherapy-induced apoptosis. ELife, 2013, 2, e01236.	6.0	59
101	Broad and thematic remodeling of the surfaceome and glycoproteome on isogenic cells transformed with driving proliferative oncogenes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7764-7775.	7.1	54
102	Human antibody-based chemically induced dimerizers for cell therapeutic applications. Nature Chemical Biology, 2018, 14, 112-117.	8.0	52
103	Kinase Atlas: Druggability Analysis of Potential Allosteric Sites in Kinases. Journal of Medicinal Chemistry, 2019, 62, 6512-6524.	6.4	52
104	Mutational Analysis of Thrombopoietin for Identification of Receptor and Neutralizing Antibody Sites. Journal of Biological Chemistry, 1997, 272, 20595-20602.	3.4	50
105	Engineering a light-activated caspase-3 for precise ablation of neurons in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8174-E8183.	7.1	50
106	Binding Interaction of the HeregulinÎ² egf Domain with ErbB3 and ErbB4 Receptors Assessed by Alanine Scanning Mutagenesis. Journal of Biological Chemistry, 1998, 273, 11667-11674.	3.4	49
107	Enzyme-catalyzed expressed protein ligation. Nature Methods, 2016, 13, 925-927.	19.0	49
108	Tags for labeling protein N-termini with subtiligase for proteomics. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 6000-6003.	2.2	47

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109	Circulating proteolytic signatures of chemotherapy-induced cell death in humans discovered by N-terminal labeling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7594-7599.	7.1	47
110	BRD2 inhibition blocks SARS-CoV-2 infection by reducing transcription of the host cell receptor ACE2. Nature Cell Biology, 2022, 24, 24-34.	10.3	47
111	Ribosome stalling during selenoprotein translation exposes a ferroptosis vulnerability. Nature Chemical Biology, 2022, 18, 751-761.	8.0	47
112	Dissecting an Allosteric Switch in Caspase-7 Using Chemical and Mutational Probes. Journal of Biological Chemistry, 2009, 284, 26063-26069.	3.4	46
113	Fibrils Colocalize Caspase-3 with Procaspase-3 to Foster Maturation. Journal of Biological Chemistry, 2012, 287, 33781-33795.	3.4	45
114	The Unique Cofactor Region of Zika Virus NS2Bâ€"NS3 Protease Facilitates Cleavage of Key Host Proteins. ACS Chemical Biology, 2018, 13, 2398-2405.	3.4	45
115	Multiomics of azacitidine-treated AML cells reveals variable and convergent targets that remodel the cell-surface proteome. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 695-700.	7.1	45
116	Highly multiplexed and quantitative cell-surface protein profiling using genetically barcoded antibodies. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2836-2841.	7.1	44
117	Unraveling the mechanism of cell death induced by chemical fibrils. Nature Chemical Biology, 2014, 10, 969-976.	8.0	43
118	Structureâ€"Activity Relationship and Molecular Mechanics Reveal the Importance of Ring Entropy in the Biosynthesis and Activity of a Natural Product. Journal of the American Chemical Society, 2017, 139, 2541-2544.	13.7	43
119	Selection of Heregulin Variants Having Higher Affinity for the ErbB3 Receptor by Monovalent Phage Display. Journal of Biological Chemistry, 1998, 273, 11675-11684.	3.4	42
120	Heat Shock Protein 70 (Hsp70) Suppresses RIP1-Dependent Apoptotic and Necroptotic Cascades. Molecular Cancer Research, 2018, 16, 58-68.	3.4	42
121	An Improved Single-Chain Fab Platform for Efficient Display and Recombinant Expression. Journal of Molecular Biology, 2015, 427, 576-586.	4.2	41
122	Reprogramming Caspase-7 Specificity by Regio-Specific Mutations and Selection Provides Alternate Solutions for Substrate Recognition. ACS Chemical Biology, 2016, 11, 1603-1612.	3.4	41
123	Rapid evolution of peptide and protein binding properties in vitro. Current Opinion in Biotechnology, 1992, 3, 355-362.	6.6	40
124	Substrate and Inhibitor-induced Dimerization and Cooperativity in Caspase-1 but Not Caspase-3. Journal of Biological Chemistry, 2013, 288, 9971-9981.	3.4	39
125	Will any dimer do?. Nature Structural Biology, 1998, 5, 938-940.	9.7	38
126	Global Analysis of Cellular Proteolysis by Selective Enzymatic Labeling of Protein N-Termini. Methods in Enzymology, 2014, 544, 327-358.	1.0	37

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127	Precision Engineering of an Anti-HLA-A2 Chimeric Antigen Receptor in Regulatory T Cells for Transplant Immune Tolerance. Frontiers in Immunology, 2021, 12, 686439.	4.8	37
128	FP tethering: a screening technique to rapidly identify compounds that disrupt proteinâ€"protein interactions. MedChemComm, 2014, 5, 370-375.	3.4	35
129	A Novel Tumor-Activated Prodrug Strategy Targeting Ferrous Iron Is Effective in Multiple Preclinical Cancer Models. Journal of Medicinal Chemistry, 2016, 59, 11161-11170.	6.4	35
130	Systematic identification of engineered methionines and oxaziridines for efficient, stable, and site-specific antibody bioconjugation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5733-5740.	7.1	35
131	Small-Molecule Allosteric Modulators of the Protein Kinase PDK1 from Structure-Based Docking. Journal of Medicinal Chemistry, 2015, 58, 8285-8291.	6.4	32
132	Direct Proximity Tagging of Small Molecule Protein Targets Using an Engineered NEDD8 Ligase. Journal of the American Chemical Society, 2016, 138, 13123-13126.	13.7	32
133	Roadmap for Optimizing and Broadening Antibody-Based PROTACs for Degradation of Cell Surface Proteins. ACS Chemical Biology, 2022, 17, 1259-1268.	3.4	32
134	Site-specific Disulfide Capture of Agonist and Antagonist Peptides on the C5a Receptor. Journal of Biological Chemistry, 2005, 280, 4009-4012.	3.4	31
135	Structural and Enzymatic Insights into Caspase-2 Protein Substrate Recognition and Catalysis. Journal of Biological Chemistry, 2011, 286, 34147-34154.	3.4	31
136	Apo cytochrome c inhibits caspases by preventing apoptosome formation. Biochemical and Biophysical Research Communications, 2004, 319, 944-950.	2.1	30
137	Deep profiling of protease substrate specificity enabled by dual random and scanned human proteome substrate phage libraries. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25464-25475.	7.1	28
138	Identification of a Covalent Molecular Inhibitor of Anti-apoptotic BFL-1 by Disulfide Tethering. Cell Chemical Biology, 2020, 27, 647-656.e6.	5.2	28
139	Mapping proteolytic neo-N termini at the surface of living cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	27
140	The surfaceome of multiple myeloma cells suggests potential immunotherapeutic strategies and protein markers of drug resistance. Nature Communications, 2022, 13, .	12.8	26
141	Mutational analysis of the major coat protein of M13 identifies residues that control protein display. Protein Science, 2000, 9, 647-654.	7.6	25
142	Turning ON Caspases with Genetics and Small Molecules. Methods in Enzymology, 2014, 544, 179-213.	1.0	24
143	Theranostic Targeting of CUB Domain Containing Protein 1 (CDCP1) in Pancreatic Cancer. Clinical Cancer Research, 2020, 26, 3608-3615.	7.0	24
144	Conservation of coactivator engagement mechanism enables small-molecule allosteric modulators. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8960-8965.	7.1	23

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145	Comparative proteomics of a model MCF10A-KRasG12V cell line reveals a distinct molecular signature of the KRasG12V cell surface. Oncotarget, 2016, 7, 86948-86971.	1.8	23
146	Bispecific VH/Fab antibodies targeting neutralizing and non-neutralizing Spike epitopes demonstrate enhanced potency against SARS-CoV-2. MAbs, 2021, 13, 1893426.	5.2	22
147	Molecules that modulate Apafâ€1 activity. Medicinal Research Reviews, 2011, 31, 649-675.	10.5	21
148	Engineering Improved Antiphosphotyrosine Antibodies Based on an Immunoconvergent Binding Motif. Journal of the American Chemical Society, 2018, 140, 16615-16624.	13.7	20
149	Redox priming promotes Aurora A activation during mitosis. Science Signaling, 2020, 13, .	3.6	18
150	Fmoc-based synthesis of glycolate ester peptides for the assembly of de novo designed multimeric proteins using subtiligase. Tetrahedron Letters, 1996, 37, 6653-6656.	1.4	17
151	Malonate-assisted purification of human caspases. Protein Expression and Purification, 2005, 41, 148-153.	1.3	17
152	Cell-surface tethered promiscuous biotinylators enable comparative small-scale surface proteomic analysis of human extracellular vesicles and cells. ELife, 2022, 11, .	6.0	16
153	Identification of Specific Tethered Inhibitors for Caspaseâ€5. Chemical Biology and Drug Design, 2012, 79, 209-215.	3.2	15
154	Phage-Based Profiling of Rare Single Cells Using Nanoparticle-Directed Capture. ACS Nano, 2021, 15, 19202-19210.	14.6	14
155	Nâ€Terminal Modification of Proteins with Subtiligase Specificity Variants. Current Protocols in Chemical Biology, 2020, 12, e79.	1.7	13
156	Targeting a proteolytic neoepitope on CUB domain containing protein 1 (CDCP1) for RAS-driven cancers. Journal of Clinical Investigation, 2022, 132, .	8.2	13
157	Engineering an interfacial zinc site to increase hormone-receptor affinity. Chemistry and Biology, 1994, 1, 25-30.	6.0	12
158	A Split-Abl Kinase for Direct Activation in Cells. Cell Chemical Biology, 2017, 24, 1250-1258.e4.	5.2	12
159	Toward a Ferrous Iron-Cleavable Linker for Antibodyâ€"Drug Conjugates. Molecular Pharmaceutics, 2018, 15, 2054-2059.	4.6	12
160	Neuronally Enriched RUFY3 Is Required for Caspase-Mediated Axon Degeneration. Neuron, 2019, 103, 412-422.e4.	8.1	12
161	New Tricks for an Old Dimer. Science, 2014, 344, 703-704.	12.6	10
162	CUB Domain-Containing Protein 1 (CDCP1) Is a Target for Radioligand Therapy in Castration-Resistant Prostate Cancer, including PSMA Null Disease. Clinical Cancer Research, 2022, 28, 3066-3075.	7.0	10

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163	Split enzymes: Design principles and strategy. Methods in Enzymology, 2020, 644, 275-296.	1.0	9
164	Adaptor-Specific Antibody Fragment Inhibitors for the Intracellular Modulation of p97 (VCP) Proteinâ€"Protein Interactions. Journal of the American Chemical Society, 2022, 144, 13218-13225.	13.7	9
165	National Cancer Institute Think-Tank Meeting Report on Proteomic Cartography and Biomarkers at the Single-Cell Level: Interrogation of Premalignant Lesions. Journal of Proteome Research, 2020, 19, 1900-1912.	3.7	8
166	Profiling the Surfaceome Identifies Therapeutic Targets for Cells with Hyperactive mTORC1 Signaling. Molecular and Cellular Proteomics, 2020, 19, 294-307.	3.8	8
167	Large remodeling of the Myc-induced cell surface proteome in B cells and prostate cells creates new opportunities for immunotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	8
168	Cleavage of talin by calpain promotes platelet-mediated fibrin clot contraction. Blood Advances, 2021, 5, 4901-4909.	5.2	8
169	Facile synthesis of cyclic peptides containing di-, tri-, tetra-, and pentasulfides. Tetrahedron Letters, 1998, 39, 6799-6802.	1.4	7
170	Targeting Phosphotyrosine in Native Proteins with Conditional, Bispecific Antibody Traps. Journal of the American Chemical Society, 2020, 142, 17703-17713.	13.7	7
171	Switchable assembly and function of antibody complexes inÂvivo using a small molecule. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	7
172	Immunodominant structures of human growth hormone identified by homolog-scanning mutagenesis. Molecular Immunology, 1992, 29, 1081-1088.	2.2	6
173	Engineered cellular gene-replacement platform for selective and inducible proteolytic profiling. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8344-8349.	7.1	6
174	Biotin as a Reactive Handle to Selectively Label Proteins and DNA with Small Molecules. ACS Chemical Biology, 2021, , .	3.4	5
175	Hypoxia Is a Dominant Remodeler of the Effector TÂCell Surface Proteome Relative to Activation and Regulatory T Cell Suppression. Molecular and Cellular Proteomics, 2022, 21, 100217.	3.8	5
176	Warren L. DeLano 21 June 1972â€"3 November 2009. Nature Structural and Molecular Biology, 2009, 16, 1202-1203.	8.2	4
177	Computational approach to site-directed ligand discovery. Proteins: Structure, Function and Bioinformatics, 2007, 68, 551-560.	2.6	3
178	Engineering Antibodies Targeting p16 MHC-Peptide Complexes. ACS Chemical Biology, 2022, 17, 545-555.	3.4	3
179	Discovery Proteomics Analysis Determines That Driver Oncogenes Suppress Antiviral Defense Pathways Through Reduction in Interferon-Î² Autocrine Stimulation. Molecular and Cellular Proteomics, 2022, 21, 100247.	3.8	3
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