Dehua Pei

List of Publications by Year in Descending Order

166 papers	6,765 citations	50 h-index	72 g-index
204 ext. papers	7,524 ext. citations	6.5 avg, IF	6.13 L-index

#	Paper	IF	Citations
166	How Do Biomolecules Cross the Cell Membrane?. *Accounts of Chemical Research*, **2022**,	24.3	4
165	Assessing the Cellular Uptake, Endosomal Escape, and Cytosolic Entry Efficiencies of Cyclic Peptides. *Methods in Molecular Biology*, **2022**, 2371, 301-316	1.4	
164	Membrane Translocation of Folded Proteins. *Journal of Biological Chemistry*, **2022**, 102107	5.4	
163	Targeting intracellular protein-protein interactions with macrocyclic peptides.. *Trends in Pharmacological Sciences*, **2021**,	13.2	3
162	An intracellular nanobody targeting T4SS effector inhibits infection. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	6
161	Discovery of a Bicyclic Peptidyl Pan-Ras Inhibitor. *Journal of Medicinal Chemistry*, **2021**, 64, 13038-13053	8.3	3
160	Bacterial Toxins Escape the Endosome by Inducing Vesicle Budding and Collapse. *ACS Chemical Biology*, **2021**, 16, 2415-2422	4.9	2
159	Cyclic Peptidyl Inhibitors against CAL/CFTR Interaction for Treatment of Cystic Fibrosis. *Journal of Medicinal Chemistry*, **2020**, 63, 15773-15784	8.3	6
158	Cell-penetrating and mitochondrion-targeting molecules. *Methods in Enzymology*, **2020**, 641, 311-328	1.7	2
157	A Peptidyl Inhibitor that Blocks Calcineurin-NFAT Interaction and Prevents Acute Lung Injury. *Journal of Medicinal Chemistry*, **2020**, 63, 12853-12872	8.3	3
156	Rational design of cell-permeable cyclic peptides containing a d-Pro-l-Pro motif. *Bioorganic and Medicinal Chemistry*, **2020**, 28, 115711	3.4	4
155	Cell-Penetrating Peptides Escape the Endosome by Inducing Vesicle Budding and Collapse. *ACS Chemical Biology*, **2020**, 15, 2485-2492	4.9	26
154	Engineering Cell-Permeable Proteins through Insertion of Cell-Penetrating Motifs into Surface Loops. *ACS Chemical Biology*, **2020**, 15, 2568-2576	4.9	8
153	Development of a Cell-Permeable Cyclic Peptidyl Inhibitor against the Keap1-Nrf2 Interaction. *Journal of Organic Chemistry*, **2020**, 85, 1416-1424	4.2	12
152	Designing Cell-Permeable Macrocyclic Peptides. *Methods in Molecular Biology*, **2019**, 2001, 41-59	1.4	3
151	Understanding Cell Penetration of Cyclic Peptides. *Chemical Reviews*, **2019**, 119, 10241-10287	68.1	164
150	Developments with bead-based screening for novel drug discovery. *Expert Opinion on Drug Discovery*, **2019**, 14, 1097-1102	6.2	4

149	Cyclic Cell-Penetrating Peptides with Single Hydrophobic Groups. *ChemBioChem*, **2019**, 20, 2085-2088	3.8	13
148	Serine proteases: how did chemists tease out their catalytic mechanism?. *ChemTexts*, **2019**, 5, 1	2.2	4
147	Enhancing the Cell Permeability of Stapled Peptides with a Cyclic Cell-Penetrating Peptide. *Journal of Medicinal Chemistry*, **2019**, 62, 10098-10107	8.3	32
146	Inhibition of peptidyl-prolyl isomerase (PIN1) and BRAF signaling to target melanoma. *American Journal of Translational Research (discontinued)*, **2019**, 11, 4425-4437	3	
145	Crystal structure of the Red C-terminal domain in complex with Exonuclease reveals an unexpected homology with Orf and an interaction with Escherichia coli single stranded DNA binding protein. *Nucleic Acids Research*, **2019**, 47, 1950-1963	20.1	12
144	Overcoming Endosomal Entrapment in Drug Delivery. *Bioconjugate Chemistry*, **2019**, 30, 273-283	6.3	112
143	Inhibition of nuclear factor of activated T cells (NFAT) c3 activation attenuates acute lung injury and pulmonary edema in murine models of sepsis. *Oncotarget*, **2018**, 9, 10606-10620	3.3	16
142	Targeting Ras with Macromolecules. *Cold Spring Harbor Perspectives in Medicine*, **2018**, 8,	5.4	9
141	Non-Peptidic Cell-Penetrating Motifs for Mitochondrion-Specific Cargo Delivery. *Angewandte Chemie - International Edition*, **2018**, 57, 17183-17188	16.4	26
140	Non-Peptidic Cell-Penetrating Motifs for Mitochondrion-Specific Cargo Delivery. *Angewandte Chemie*, **2018**, 130, 17429-17434	3.6	7
139	Cell-Permeable Bicyclic Peptidyl Inhibitors against NEMO-IB Kinase Interaction Directly from a Combinatorial Library. *Journal of the American Chemical Society*, **2018**, 140, 12102-12110	16.4	37
138	Generation of a cell-permeable cycloheptapeptidyl inhibitor against the peptidyl-prolyl isomerase Pin1. *Organic and Biomolecular Chemistry*, **2017**, 15, 4540-4543	3.9	13
137	Bicyclic Peptides as Next-Generation Therapeutics. *Chemistry - A European Journal*, **2017**, 23, 12690-12703	4.8	73
136	Targeting intracellular protein-protein interactions with cell-permeable cyclic peptides. *Current Opinion in Chemical Biology*, **2017**, 38, 80-86	9.7	68
135	Macrocycles as protein-protein interaction inhibitors. *Biochemical Journal*, **2017**, 474, 1109-1125	3.8	91
134	Enhancing the Cell Permeability and Metabolic Stability of Peptidyl Drugs by Reversible Bicyclization. *Angewandte Chemie - International Edition*, **2017**, 56, 1525-1529	16.4	40
133	Enhancing the Cell Permeability and Metabolic Stability of Peptidyl Drugs by Reversible Bicyclization. *Angewandte Chemie*, **2017**, 129, 1547-1551	3.6	3
132	Chemical Approaches to Macrocycle Libraries **2017**, 133-154		

131	Cell-permeable bicyclic peptidyl inhibitors against T-cell protein tyrosine phosphatase from a combinatorial library. *Organic and Biomolecular Chemistry*, **2017**, 15, 9595-9598	3.9	11
130	Discovery of a Direct Ras Inhibitor by Screening a Combinatorial Library of Cell-Permeable Bicyclic Peptides. *ACS Combinatorial Science*, **2016**, 18, 75-85	3.9	86
129	LNK/SH2B3 regulates IL-7 receptor signaling in normal and malignant B-progenitors. *Journal of Clinical Investigation*, **2016**, 126, 1267-81	15.9	47
128	Direct Inhibitors of Ras-Effector Protein Interactions. *Mini-Reviews in Medicinal Chemistry*, **2016**, 16, 376-82	3.2	10
127	Screening One-Bead-One-Compound Peptide Libraries for Optimal Kinase Substrates. *Methods in Molecular Biology*, **2016**, 1360, 169-81	1.4	1
126	Discovery and Mechanism of Highly Efficient Cyclic Cell-Penetrating Peptides. *Biochemistry*, **2016**, 55, 2601-12	3.2	175
125	Intracellular Delivery of Peptidyl Ligands by Reversible Cyclization: Discovery of a PDZ Domain Inhibitor that Rescues CFTR Activity. *Angewandte Chemie - International Edition*, **2015**, 54, 5874-8	16.4	52
124	A Selective, Cell-Permeable Nonphosphorylated Bicyclic Peptidyl Inhibitor against Peptidyl-Prolyl Isomerase Pin1. *Journal of Medicinal Chemistry*, **2015**, 58, 6306-12	8.3	27
123	Inhibition of Ras signaling by blocking Ras-effector interactions with cyclic peptides. *Angewandte Chemie - International Edition*, **2015**, 54, 7602-6	16.4	111
122	Intracellular Delivery of Peptidyl Ligands by Reversible Cyclization: Discovery of a PDZ Domain Inhibitor that Rescues CFTR Activity. *Angewandte Chemie*, **2015**, 127, 5972-5976	3.6	7
121	Inhibition of Ras Signaling by Blocking Ras Effector Interactions with Cyclic Peptides. *Angewandte Chemie*, **2015**, 127, 7712-7716	3.6	17
120	Monitoring the cytosolic entry of cell-penetrating peptides using a pH-sensitive fluorophore. *Chemical Communications*, **2015**, 51, 2162-5	5.8	67
119	Synthesis and screening of one-bead-one-compound cyclic peptide libraries. *Methods in Molecular Biology*, **2015**, 1248, 39-53	1.4	25
118	Diverse levels of sequence selectivity and catalytic efficiency of protein-tyrosine phosphatases. *Biochemistry*, **2014**, 53, 397-412	3.2	34
117	Cell-permeable bicyclic peptide inhibitors against intracellular proteins. *Journal of the American Chemical Society*, **2014**, 136, 9830-3	16.4	87
116	Structure-based optimization of a peptidyl inhibitor against calcineurin-nuclear factor of activated T cell (NFAT) interaction. *Journal of Medicinal Chemistry*, **2014**, 57, 7792-7	8.3	6
115	Direct Ras Inhibitors Identified from a Structurally Rigidified Bicyclic Peptide Library. *Tetrahedron*, **2014**, 70, 7714-7720	2.4	25
114	Early endosomal escape of a cyclic cell-penetrating peptide allows effective cytosolic cargo delivery. *Biochemistry*, **2014**, 53, 4034-46	3.2	119

113	Screening bicyclic peptide libraries for protein-protein interaction inhibitors: discovery of a tumor necrosis factor- antagonist. *Journal of the American Chemical Society*, **2013**, 135, 11990-5	16.4	100
112	Efficient delivery of cyclic peptides into mammalian cells with short sequence motifs. *ACS Chemical Biology*, **2013**, 8, 423-31	4.9	127
111	Profiling the substrate specificity of protein kinases by on-bead screening of peptide libraries. *Biochemistry*, **2013**, 52, 5645-55	3.2	18
110	Inhibition of Ras-Effector Interaction by Cyclic Peptides. *MedChemComm*, **2013**, 4, 378-382	5	48
109	Global analysis of peptide cyclization efficiency. *ACS Combinatorial Science*, **2013**, 15, 120-9	3.9	57
108	Systematic characterization of the specificity of the SH2 domains of cytoplasmic tyrosine kinases. *Journal of Proteomics*, **2013**, 81, 56-69	3.9	6
107	Specificity profiling of dual specificity phosphatase vaccinia VH1-related (VHR) reveals two distinct substrate binding modes. *Journal of Biological Chemistry*, **2013**, 288, 6498-510	5.4	11
106	Specificity profiling of protein phosphatases toward phosphoseryl and phosphothreonyl peptides. *Journal of the American Chemical Society*, **2013**, 135, 9760-7	16.4	13
105	Cyclic peptide inhibitors of HIV-1 capsid-human lysyl-tRNA synthetase interaction. *ACS Chemical Biology*, **2012**, 7, 761-9	4.9	28
104	Specificity profiling of protein-binding domains using one-bead-one-compound Peptide libraries. *Current Protocols in Chemical Biology*, **2012**, 4, 331-55	1.8	7
103	Substrate specificity of protein tyrosine phosphatases 1B, RPTP SHP-1, and SHP-2. *Biochemistry*, **2011**, 50, 2339-56	3.2	67
102	Simultaneous binding of two peptidyl ligands by a SRC homology 2 domain. *Biochemistry*, **2011**, 50, 7637-46	3.2	19
101	Inhibition of LuxS by S-ribosylhomocysteine analogues containing a [4-aza]ribose ring. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 5507-19	3.4	29
100	Distinct ligand specificity of the Tiam1 and Tiam2 PDZ domains. *Biochemistry*, **2011**, 50, 1296-308	3.2	28
99	High-throughput screening of one-bead-one-compound libraries: identification of cyclic peptidyl inhibitors against calcineurin/NFAT interaction. *ACS Combinatorial Science*, **2011**, 13, 537-46	3.9	54
98	Creating diverse target-binding surfaces on FKBP12: synthesis and evaluation of a rapamycin analogue library. *ACS Combinatorial Science*, **2011**, 13, 486-95	3.9	27
97	Identification of a key amino acid of LuxS involved in AI-2 production in Campylobacter jejuni. *PLoS ONE*, **2011**, 6, e15876	3.7	23
96	Determination of the substrate specificity of protein-tyrosine phosphatase TULA-2 and identification of Syk as a TULA-2 substrate. *Journal of Biological Chemistry*, **2010**, 285, 31268-76	5.4	38

95	HDAC6 and Ubp-M BUZ domains recognize specific C-terminal sequences of proteins. *Biochemistry*, **2010**, 49, 10737-46	3.2	20
94	Membrane permeable cyclic peptidyl inhibitors against human Peptidylprolyl Isomerase Pin1. *Journal of Medicinal Chemistry*, **2010**, 53, 2494-501	8.3	59
93	Protein N-terminal processing: substrate specificity of Escherichia coli and human methionine aminopeptidases. *Biochemistry*, **2010**, 49, 5588-99	3.2	109
92	On-bead library screening made easier. *Chemistry and Biology*, **2010**, 17, 3-4		11
91	Inhibition of S-ribosylhomocysteinase (LuxS) by substrate analogues modified at the ribosyl C-3 position. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 6699-706	3.4	30
90	Synthesis and screening of a cyclic peptide library: discovery of small-molecule ligands against human prolactin receptor. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 1026-33	3.4	44
89	Probing the catalytic mechanism of S-ribosylhomocysteinase (LuxS) with catalytic intermediates and substrate analogues. *Journal of the American Chemical Society*, **2009**, 131, 1243-50	16.4	36
88	On-bead screening of combinatorial libraries: reduction of nonspecific binding by decreasing surface ligand density. *ACS Combinatorial Science*, **2009**, 11, 604-11		60
87	Profiling the substrate specificity of viral protease VP4 by a FRET-based peptide library approach. *Biochemistry*, **2009**, 48, 5753-9	3.2	12
86	High-throughput sequencing of peptoids and peptide-peptoid hybrids by partial edman degradation and mass spectrometry. *ACS Combinatorial Science*, **2009**, 11, 294-302		59
85	The SH2 domains of inositol polyphosphate 5-phosphatases SHIP1 and SHIP2 have similar ligand specificity but different binding kinetics. *Biochemistry*, **2009**, 48, 11075-83	3.2	17
84	Synthesis of 3,5-difluorotyrosine-containing peptides: application in substrate profiling of protein tyrosine phosphatases. *Organic Letters*, **2008**, 10, 4605-8	6.2	8
83	Cyclic peptidyl inhibitors of Grb2 and tensin SH2 domains identified from combinatorial libraries. *ACS Combinatorial Science*, **2008**, 10, 247-55		31
82	A LuxP-based fluorescent sensor for bacterial autoinducer II. *ACS Chemical Biology*, **2008**, 3, 110-9	4.9	35
81	Synthesis and screening of support-bound combinatorial peptide libraries with free C-termini: determination of the sequence specificity of PDZ domains. *Biochemistry*, **2008**, 47, 3061-72	3.2	18
80	S-Ribosylhomocysteine analogues with the carbon-5 and sulfur atoms replaced by a vinyl or (fluoro)vinyl unit. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 5090-102	3.4	31
79	Design and synthesis of macrocyclic peptidyl hydroxamates as peptide deformylase inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 3060-3	2.9	17
78	High-throughput screening of peptide deformylase inhibitors. *Methods in Molecular Medicine*, **2008**, 142, 117-30		6

77	Reverse interactomics: decoding protein-protein interactions with combinatorial peptide libraries. *Molecular BioSystems*, **2007**, 3, 536-41		12
76	A chemical approach to the identification of tensin-binding proteins. *ACS Chemical Biology*, **2007**, 2, 109-18	4.9	24
75	Substrate profiling of protein tyrosine phosphatase PTP1B by screening a combinatorial peptide library. *Journal of the American Chemical Society*, **2007**, 129, 5366-7	16.4	47
74	A LuxP-FRET-based reporter for the detection and quantification of AI-2 bacterial quorum-sensing signal compounds. *Biochemistry*, **2007**, 46, 3990-7	3.2	35
73	Altered -3 substrate specificity of Escherichia coli signal peptidase 1 mutants as revealed by screening a combinatorial peptide library. *Journal of Biological Chemistry*, **2007**, 282, 417-25	5.4	18
72	Defining SH2 domain and PTP specificity by screening combinatorial peptide libraries. *Methods*, **2007**, 42, 207-19	4.6	35
71	Zinc is the metal cofactor of Borrelia burgdorferi peptide deformylase. *Archives of Biochemistry and Biophysics*, **2007**, 468, 217-25	4.1	32
70	High-throughput synthesis and screening of cyclic peptide antibiotics. *Journal of Medicinal Chemistry*, **2007**, 50, 3132-7	8.3	49
69	Mechanism of triptolide-induced apoptosis: Effect on caspase activation and Bid cleavage and essentiality of the hydroxyl group of triptolide. *Journal of Molecular Medicine*, **2006**, 84, 405-15	5.5	40
68	Sequence specificity of SHP-1 and SHP-2 Src homology 2 domains. Critical roles of residues beyond the pY+3 position. *Journal of Biological Chemistry*, **2006**, 281, 20271-82	5.4	50
67	Determination of the sequence specificity of XIAP BIR domains by screening a combinatorial peptide library. *Biochemistry*, **2006**, 45, 14740-8	3.2	20
66	Catalytic mechanism of S-ribosylhomocysteinase: ionization state of active-site residues. *Biochemistry*, **2006**, 45, 12195-203	3.2	13
65	Design and synthesis of substrate and intermediate analogue inhibitors of S-ribosylhomocysteinase. *Journal of Medicinal Chemistry*, **2006**, 49, 3003-11	8.3	67
64	High-throughput sequence determination of cyclic peptide library members by partial Edman degradation/mass spectrometry. *Journal of the American Chemical Society*, **2006**, 128, 13000-9	16.4	92
63	Traceless capping agent for peptide sequencing by partial edman degradation and mass spectrometry. *Analytical Chemistry*, **2006**, 78, 5935-9	7.8	62
62	Mechanism of Triptolide-induced Apoptosis: Effect on Caspase Activation and Bid Cleavage and Essentiality of the Hydroxyl Group of Triptolide. *FASEB Journal*, **2006**, 20, A123	0.9	
61	Purification and characterization of enzymes involved in the degradation of chemotactic N-formyl peptides. *Biochemistry*, **2005**, 44, 8514-22	3.2	12
60	Alternative mode of binding to phosphotyrosyl peptides by Src homology-2 domains. *Biochemistry*, **2005**, 44, 12196-202	3.2	15

59	Crystal structure of S-ribosylhomocysteinase (LuxS) in complex with a catalytic 2-ketone intermediate. *Biochemistry*, **2005**, 44, 3745-53	3.2	35
58	Decoding protein-protein interactions through combinatorial chemistry: sequence specificity of SHP-1, SHP-2, and SHIP SH2 domains. *Biochemistry*, **2005**, 44, 14932-47	3.2	111
57	An improved crystal form of Plasmodium falciparum peptide deformylase. *Protein Science*, **2004**, 13, 1155-63	6.3	26
56	Slow-binding inhibition of peptide deformylase by cyclic peptidomimetics as revealed by a new spectrophotometric assay. *Bioorganic Chemistry*, **2004**, 32, 178-91	5.1	10
55	Peptidyl hydroxamic acids as methionine aminopeptidase inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 77-9	2.9	28
54	Mechanism of action of S-ribosylhomocysteinase (LuxS). *Current Opinion in Chemical Biology*, **2004**, 8, 492-7	9.7	63
53	Peptidyl aldehydes as slow-binding inhibitors of dual-specificity phosphatases. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 685-7	2.9	11
52	Macrocyclic inhibitors for peptide deformylase: a structure-activity relationship study of the ring size. *Journal of Medicinal Chemistry*, **2004**, 47, 4941-9	8.3	48
51	5-(2-Aminoethyl)dithio-2-nitrobenzoate as a more base-stable alternative to Ellman's reagent. *Organic Letters*, **2004**, 6, 3809-12	6.2	57
50	Identification of alpha-galactosyl epitope mimetics through rapid generation and screening of C-linked glycopeptide library. *ACS Combinatorial Science*, **2004**, 6, 126-34		16
49	trans-Beta-nitrostyrene derivatives as slow-binding inhibitors of protein tyrosine phosphatases. *Biochemistry*, **2004**, 43, 15014-21	3.2	40
48	Catalytic mechanism of S-ribosylhomocysteinase (LuxS): stereochemical course and kinetic isotope effect of proton transfer reactions. *Biochemistry*, **2004**, 43, 10166-72	3.2	31
47	Structure-based design of a macrocyclic inhibitor for peptide deformylase. *Journal of Medicinal Chemistry*, **2003**, 46, 3771-4	8.3	52
46	Catalytic mechanism of S-ribosylhomocysteinase (LuxS): direct observation of ketone intermediates by 13C NMR spectroscopy. *Journal of the American Chemical Society*, **2003**, 125, 13379-81	16.4	45
45	S-Ribosylhomocysteinase (LuxS) is a mononuclear iron protein. *Biochemistry*, **2003**, 42, 4717-26	3.2	87
44	An improved method for rapid sequencing of support-bound peptides by partial edman degradation and mass spectrometry. *ACS Combinatorial Science*, **2003**, 5, 218-22		32
43	Characterization of a human peptide deformylase: implications for antibacterial drug design. *Biochemistry*, **2003**, 42, 9952-8	3.2	96
42	Peptidyl aldehydes as reversible covalent inhibitors of SRC homology 2 domains. *Biochemistry*, **2003**, 42, 5159-67	3.2	19

41	Crystals of peptide deformylase from Plasmodium falciparum reveal critical characteristics of the active site for drug design. *Structure*, **2002**, 10, 357-67	5.2	38
40	alpha-bromoacetophenone derivatives as neutral protein tyrosine phosphatase inhibitors: structure-Activity relationship. *Bioorganic and Medicinal Chemistry Letters*, **2002**, 12, 3047-50	2.9	32
39	Determination of the ionization state and catalytic function of Glu-133 in peptide deformylase by difference FTIR spectroscopy. *Biochemistry*, **2002**, 41, 10563-9	3.2	16
38	Screening combinatorial libraries by mass spectrometry. 2. Identification of optimal substrates of protein tyrosine phosphatase SHP-1. *Biochemistry*, **2002**, 41, 6202-10	3.2	34
37	Peptidyl aldehydes as reversible covalent inhibitors of protein tyrosine phosphatases. *Biochemistry*, **2002**, 41, 10700-9	3.2	41
36	Screening combinatorial libraries for optimal enzyme substrates by mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2001**, 15, 1166-71	2.2	12
35	Peptide deformylase: a target for novel antibiotics?. *Expert Opinion on Therapeutic Targets*, **2001**, 5, 23-40		31
34	Characterization of an eukaryotic peptide deformylase from Plasmodium falciparum. *Archives of Biochemistry and Biophysics*, **2001**, 396, 162-70	4.1	56
33	Rapid sequencing of library-derived peptides by partial edman degradation and mass spectrometry. *ACS Combinatorial Science*, **2001**, 3, 251-4		31
32	Two continuous spectrophotometric assays for methionine aminopeptidase. *Analytical Biochemistry* , **2000**, 280, 159-65	3.1	48
31	Activation of antibacterial prodrugs by peptide deformylase. *Bioorganic and Medicinal Chemistry Letters*, **2000**, 10, 1073-6	2.9	19
30	II. Structure and specificity of the interaction between the FHA2 domain of Rad53 and phosphotyrosyl peptides. *Journal of Molecular Biology*, **2000**, 302, 927-40	6.5	49
29	Structure of the FHA1 domain of yeast Rad53 and identification of binding sites for both FHA1 and its target protein Rad9. *Journal of Molecular Biology*, **2000**, 304, 941-51	6.5	71
28	Characterization of cobalt(II)-substituted peptide deformylase: function of the metal ion and the catalytic residue Glu-133. *Biochemistry*, **2000**, 39, 779-90	3.2	107
27	Identification of a potent peptide deformylase inhibitor from a rationally designed combinatorial library. *ACS Combinatorial Science*, **2000**, 2, 650-7		34
26	Determination of the binding specificity of the SH2 domains of protein tyrosine phosphatase SHP-1 through the screening of a combinatorial phosphotyrosyl peptide library. *Biochemistry*, **2000**, 39, 13251-60	3.2	57
25	Substrate recognition through a PDZ domain in tail-specific protease. *Biochemistry*, **2000**, 39, 3149-55	3.2	69
24	Synthesis and antibacterial activity of peptide deformylase inhibitors. *Biochemistry*, **2000**, 39, 4543-51	3.2	67

23	A direct spectrophotometric assay for peptide deformylase. *Analytical Biochemistry*, **1999**, 273, 298-304	3.1	10
22	Slow-binding inhibition of the aminopeptidase from Aeromonas proteolytica by peptide thiols: synthesis and spectroscopic characterization. *Biochemistry*, **1999**, 38, 15587-96	3.2	30
21	Structural basis for the design of antibiotics targeting peptide deformylase. *Biochemistry*, **1999**, 38, 4712-9	3.2	69
20	□Haloacetophenone Derivatives As Photoreversible Covalent Inhibitors of Protein Tyrosine Phosphatases. *Journal of the American Chemical Society*, **1999**, 121, 5085-5086	16.4	110
19	Determination of substrate specificity for peptide deformylase through the screening of a combinatorial peptide library. *Biochemistry*, **1999**, 38, 643-50	3.2	54
18	A continuous fluorimetric assay for tail-specific protease. *Analytical Biochemistry*, **1998**, 263, 51-6	3.1	7
17	A photoactivated prodrug. *Bioorganic and Medicinal Chemistry Letters*, **1998**, 8, 2419-22	2.9	27
16	H-phosphonate derivatives as novel peptide deformylase inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **1998**, 8, 2479-82	2.9	29
15	Oxygen-mediated inactivation of peptide deformylase. *Journal of Biological Chemistry*, **1998**, 273, 22305-10	5.1	68
14	Peptide Deformylase: A New Type of Mononuclear Iron Protein. *Journal of the American Chemical Society*, **1997**, 119, 12418-12419	16.4	139
13	Crystal structure of the Escherichia coli peptide deformylase. *Biochemistry*, **1997**, 36, 13904-9	3.2	118
12	Purification, characterization, and inhibition of peptide deformylase from Escherichia coli. *Biochemistry*, **1997**, 36, 13910-8	3.2	104
11	Continuous spectrophotometric assay of peptide deformylase. *Analytical Biochemistry*, **1997**, 250, 29-34	3.1	43
10	The stress response to ionizing radiation involoves c-Abl-dependent phosphorylation of SHPTP1. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 6898-901	11.5	79
9	Differential functions of the two Src homology 2 domains in protein tyrosine phosphatase SH-PTP1. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 1141-5	11.5	129
8	Intramolecular regulation of protein tyrosine phosphatase SH-PTP1: a new function for Src homology 2 domains. *Biochemistry*, **1994**, 33, 15483-93	3.2	190
7	Overexpression, purification, and characterization of SHPTP1, a Src homology 2-containing protein-tyrosine-phosphatase. *Proceedings of the National Academy of Sciences of the United States of America*, **1993**, 90, 1092-6	11.5	66
6	A combinatorial approach toward DNA recognition. *Science*, **1991**, 253, 1408-11	33.3	57

5	Engineering protein specificity: gene manipulation with semisynthetic nucleases. *Journal of the American Chemical Society*, **1991**, 113, 9398-9400	16.4	21
4	Site-specific cleavage of duplex DNA by a semisynthetic nuclease via triple-helix formation. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 9858-62	11.5	58
3	Site-specific cleavage of duplex DNA with a .lambda. repressor-staphylococcal nuclease hybrid. *Journal of the American Chemical Society*, **1990**, 112, 4579-4580	16.4	21
2	Generation of a catalytic sequence-specific hybrid DNase. *Biochemistry*, **1989**, 28, 8277-86	3.2	31
1	Sequence-selective hydrolysis of duplex DNA by an oligonucleotide-directed nuclease. *Journal of the American Chemical Society*, **1989**, 111, 8523-8525	16.4	46