Greg Winter

List of Publications by Year
in descending order

145 papers	30,942 citations	7672 79 h-index	11608 140 g-index
147 all docs	147 docs citations	147 times ranked	13737 citing authors

#	Article	IF	Citations
1	Subunit disassembly and inhibition of TNFÎ± by a semi-synthetic bicyclic peptide. Protein Engineering, Design and Selection, 2015, 28, 45-52.	1.0	32
2	Encoded libraries of chemically modified peptides. Current Opinion in Chemical Biology, 2015, 26, 89-98.	2.8	99
3	Bicyclic Peptide Inhibitor Reveals Large Contact Interface with a Protease Target. ACS Chemical Biology, 2012, 7, 817-821.	1.6	156
4	Bicyclic Peptides with Optimized Ring Size Inhibit Human Plasma Kallikrein and its Orthologues While Sparing Paralogous Proteases. ChemMedChem, 2012, 7, 1173-1176.	1.6	66
5	Phage-encoded combinatorial chemical libraries based on bicyclic peptides. Nature Chemical Biology, 2009, 5, 502-507.	3.9	595
6	Thermodynamically Stable Aggregation-Resistant Antibody Domains through Directed Evolution. Journal of Molecular Biology, 2008, 376, 926-931.	2.0	115
7	Î²-Edge Interactions in a Pentadecameric Human Antibody VÎ² Domain. Journal of Molecular Biology, 2007, 367, 603-608.	2.0	13
8	Repertoires of aggregation-resistant human antibody domains. Protein Engineering, Design and Selection, 2007, 20, 413-416.	1.0	79
9	Inhibition of Papillomavirus Protein Function in Cervical Cancer Cells by Intrabody Targeting. Journal of Molecular Biology, 2006, 355, 360-378.	2.0	70
10	Identification of Protein Domains by Shotgun Proteolysis. Journal of Molecular Biology, 2006, 358, 364-371.	2.0	22
11	Early Protein Evolution: Building Domains from Ligand-binding Polypeptide Segments. Journal of Molecular Biology, 2006, 363, 460-468.	2.0	39
12	Tapping diversity lost in transformationsâ€"in vitro amplification of ligation reactions. Nucleic Acids Research, 2006, 34, e108-e108.	6.5	28
13	Generating molecular diversity by homologous recombination in Escherichia coli. Protein Engineering, Design and Selection, 2005, 18, 397-404.	1.0	10
14	Selection of optical biosensors from chemisynthetic antibody libraries. Protein Engineering, Design and Selection, 2004, 17, 709-713.	1.0	32
15	A native-like artificial protein from antisense DNA. Protein Engineering, Design and Selection, 2004, 17, 13-20.	1.0	16
16	Aggregation-resistant domain antibodies selected on phage by heat denaturation. Nature Biotechnology, 2004, 22, 1161-1165.	9.4	247
17	Stabilization of antibody VH-domains by proteolytic selection. Journal of Molecular Catalysis B: Enzymatic, 2004, 28, 173-179.	1.8	10
18	Crystal Structure of HEL4, a Soluble, Refoldable Human VH Single Domain with a Germ-line Scaffold. Journal of Molecular Biology, 2004, 337, 893-903.	2.0	134

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19	Identification of functional similarities between proteins using directed evolution. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13202-13206.	3.3	11
20	Selection of large diversities of antiidiotypic antibody fragments by phage display. Journal of Molecular Biology, 2002, 315, 1087-1097.	2.0	131
21	Improving the display of proteins on filamentous phage. Research in Microbiology, 2001, 152, 187-191.	1.0	42
22	The â€˜wildtypeâ€™ conformation of p53: epitope mapping using hybrid proteins. Oncogene, 2001, 20, 2318-2324.	2.6	43
23	Molecular Characterization of Human Monoclonal Antibodies Derived from Fusions of Tonsil Lymphocytes with a Human Myeloma Cell Line. Hybridoma, 2001, 20, 287-292.	0.6	7
24	Comparable heavy and light chain pairings in normal and systemic lupus erythematosus IgG+ B cells. European Journal of Immunology, 2000, 30, 254-261.	1.6	43
25	Cell-growth control by monomeric antigen: the cell surface expression of lysozyme-specific Ig V-domains fused to truncated Epo receptor. Journal of Immunological Methods, 2000, 241, 159-170.	0.6	31
26	A Method for the Selection of Catalytic Activity Using Phage Display and Proximity Coupling. Angewandte Chemie - International Edition, 1999, 38, 1124-1127.	7.2	83
27	Interdomain interactions within the gene 3 protein of filamentous phage. FEBS Letters, 1999, 463, 371-374.	1.3	16
28	Identification of a Glioblastoma-Associated Tenascin-C Isoform by a High Affinity Recombinant Antibody. American Journal of Pathology, 1999, 154, 1345-1352.	1.9	104
29	Towards the Design of an Antibody that Recognises a Given Protein Epitope. Journal of Molecular Biology, 1999, 285, 909-915.	2.0	22
30	Analysis of Heavy and Light Chain Pairings Indicates that Receptor Editing Shapes the Human Antibody Repertoire. Journal of Molecular Biology, 1999, 285, 895-901.	2.0	216
31	A strategy for the isolation of catalytic activities from repertoires of enzymes displayed on phage 1 1Edited by J. Karn. Journal of Molecular Biology, 1999, 286, 617-633.	2.0	107
32	Dominance of intrinsic genetic factors in shaping the human immunoglobulin VÎ» repertoire. Journal of Molecular Biology, 1999, 294, 457-465.	2.0	18
33	Somatic insertions and deletions shape the human antibody repertoire 1 1Edited by J. Karn. Journal of Molecular Biology, 1999, 294, 701-710.	2.0	78
34	Proteolytic selection for protein folding using filamentous bacteriophages. Folding & Design, 1998, 3, 321-328.	4.5	241
35	Making antibody and peptide ligands by repertoire selection technologies. , 1998, 11, 126-127.		6
36	Synthetic human antibodies and a strategy for protein engineering. FEBS Letters, 1998, 430, 92-94.	1.3	40

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37	Small binding proteins selected from a combinatorial repertoire of knottins displayed on phage. Journal of Molecular Biology, 1998, 277, 317-332.	2.0	98
38	Expression of an antibody fragment at high levels in the bacterial cytoplasm. Journal of Molecular Biology, 1998, 280, 117-127.	2.0	204
39	Recombinant Human Single Chain Fv Antibodies Recognizing Human Interleukin-6. Journal of Biological Chemistry, 1998, 273, 2858-2865.	1.6	26
40	The creation of diversity in the human immunoglobulin VÎ» repertoire. Journal of Molecular Biology, 1997, 268, 69-77.	2.0	141
41	Sequence of the human immunoglobulin diversity (D) segment locus: a systematic analysis provides no evidence for the use of DIR segments, inverted D segments, â€œminorâ€•D segments or D-D recombination 1 1Edited By J. Karn. Journal of Molecular Biology, 1997, 270, 587-597.	2.0	283
42	Enzyme immunoassays using bispecific diabodies. Immunotechnology: an International Journal of Immunological Engineering, 1997, 3, 137-144.	2.4	52
43	Complement recruitment using bispecific diabodies. Nature Biotechnology, 1997, 15, 629-631.	9.4	56
44	Retargeting serum immunoglobulin with bispecific diabodies. Nature Biotechnology, 1997, 15, 632-636.	9.4	74
45	Targeting by affinityâ€“matured recombinant antibody fragments of an angiogenesis associated fibronectin isoform. Nature Biotechnology, 1997, 15, 1271-1275.	9.4	280
46	Characterization of Events during the Late Stages of HPV16 Infectionin VivoUsing High-Affinity Synthetic Fabs to E4. Virology, 1997, 238, 40-52.	1.1	130
47	Diabodies: small bispecific antibody fragments. Cancer Immunology, Immunotherapy, 1997, 45, 128-130.	2.0	39
48	Dimerization of Fab fragments enables ready screening of phage antibodies that affect hepatocyte growth factor/scatter factor activity on target cells. European Journal of Immunology, 1997, 27, 618-623.	1.6	10
49	Immunoglobulin lambda light chain orphons on human chromosome 8q11.2. European Journal of Immunology, 1997, 27, 1260-1265.	1.6	29
50	Phage antibodies against an unstable hapten: Oxygen sensitive reduced flavin. FEBS Letters, 1996, 388, 242-244.	1.3	16
51	The Imprint of Somatic Hypermutation on the Repertoire of Human Germline V Genes. Journal of Molecular Biology, 1996, 256, 813-817.	2.0	209
52	Mimicking Somatic Hypermutation: Affinity Maturation of Antibodies Displayed on Bacteriophage Using a Bacterial Mutator Strain. Journal of Molecular Biology, 1996, 260, 359-368.	2.0	211
53	Sequence and Evolution of the Human Germline VÎ»Repertoire. Journal of Molecular Biology, 1996, 264, 220-232.	2.0	204
54	[5] Screening of phage antibody libraries. Methods in Enzymology, 1996, 267, 83-109.	0.4	109

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55	Phage antibodies with pan-species recognition of the oncofoetal angiogenesis marker fibronectin ED-B domain. International Journal of Cancer, 1996, 68, 397-405.	2.3	145
56	Radioactive labeling of recombinant antibody fragments by phosphorylation using human casein kinase II and [Î³-32P]-ATP. Nature Biotechnology, 1996, 14, 485-490.	9.4	41
57	Open sandwich ELISA: A novel immunoassay based on the interchain interaction of antibody variable region. Nature Biotechnology, 1996, 14, 1714-1718.	9.4	159
58	Specific killing of lymphoma cells by cytotoxic T-cells mediated by a bispecific diabody. Protein Engineering, Design and Selection, 1996, 9, 299-305.	1.0	81
59	Calmodulin as a Versatile Tag for Antibody Fragments. Nature Biotechnology, 1995, 13, 373-377.	9.4	41
60	Organization of the human immunoglobulin lambda light-chain locus on chromosome 22q11.2. Human Molecular Genetics, 1995, 4, 983-991.	1.4	138
61	An Antibody Fragment from a Phage Display Library Competes for Ligand Binding to the Low Density Lipoprotein Receptor Family and Inhibits Rhinovirus Infection. Journal of Biological Chemistry, 1995, 270, 24078-24085.	1.6	27
62	High-affinity Antigen Binding by Chelating Recombinant Antibodies (CRAbs). Journal of Molecular Biology, 1995, 246, 367-373.	2.0	125
63	A Complete Map of the Human Immunoglobulin V_H Locus. Annals of the New York Academy of Sciences, 1995, 764, 43-46.	1.8	25
64	Comparison of the Human Germline and Rearranged V_H Repertoire Reveals Complementarity between Germline Variability and Somatic Mutation. Annals of the New York Academy of Sciences, 1995, 764, 180-182.	1.8	4
65	Human immunoglobulin VH and D segments on chromosomes 15q11.2 and 16p11.2. Human Molecular Genetics, 1994, 3, 853-860.	1.4	76
66	A directory of human germ-line VÏ‡ segments reveals a strong bias in their usage. European Journal of Immunology, 1994, 24, 827-836.	1.6	227
67	Making Antibodies by Phage Display Technology. Annual Review of Immunology, 1994, 12, 433-455.	9.5	1,533
68	Guiding the Selection of Human Antibodies from Phage Display Repertoires to a Single Epitope of an Antigen. Nature Biotechnology, 1994, 12, 899-903.	9.4	173
69	A map of the human immunoglobulin VH locus completed by analysis of the telomeric region of chromosome 14q. Nature Genetics, 1994, 7, 162-168.	9.4	247
70	Crystal structure of a diabody, a bivalent antibody fragment. Structure, 1994, 2, 1217-1226.	1.6	185
71	Selection of Î²-Lactamase on Filamentous Bacteriophage by Catalytic Activity. Journal of Molecular Biology, 1994, 237, 415-422.	2.0	134
72	In Vitro Assembly of Repertoires of Antibody Chains on the Surface of Phage by Renaturation. Journal of Molecular Biology, 1994, 239, 68-78.	2.0	76

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73	Isolation of a Peptide Antagonist to the Thrombin Receptor using Phage Display. Journal of Molecular Biology, 1994, 244, 361-369.	2.0	95
74	Cloning and sequencing of human immunoglobulinÎ». gene segments. European Journal of Immunology, 1993, 23, 1456-1461.	1.6	154
75	Humanized antibodies. Trends in Immunology, 1993, 14, 243-246.	7.5	140
76	Editorial overview. Current Opinion in Immunology, 1993, 5, 253-255.	2.4	1
77	Engineering bispecific antibodies. Current Opinion in Biotechnology, 1993, 4, 446-449.	3.3	77
78	Human Antibody Fragments Specific for Human Blood Group Antigens from a Phage Display Library. Nature Biotechnology, 1993, 11, 1145-1149.	9.4	172
79	The Contribution of Contact and Non-contact Residues of Antibody in the Affinity of Binding to Antigen. Journal of Molecular Biology, 1993, 234, 958-964.	2.0	147
80	Combinatorial infection andin vivorecombination: a strategy for making large phage antibody repertoires. Nucleic Acids Research, 1993, 21, 2265-2266.	6.5	168
81	Humanized antibodies. Trends in Pharmacological Sciences, 1993, 14, 139-143.	4.0	63
82	Retroviral vectors displaying functional antibody fragments. Nucleic Acids Research, 1993, 21, 1081-1085.	6.5	225
83	HAPPY mapping of a YAC reveals alternative haplotypes in the human immunoglobulin VHlocus. Nucleic Acids Research, 1993, 21, 4524-4529.	6.5	36
84	In-cell PCR from mRNA: amplifying and linking the rearranged immunoglobulin heavy and light chain V-genes within single cells. Nucleic Acids Research, 1992, 20, 3831-3837.	6.5	150
85	Byâ€“Passing Immunization: Building High Affinity Human Antibodies by Chain Shuffling. Nature Biotechnology, 1992, 10, 779-783.	9.4	317
86	Blood clearance in the rat of a recombinant mouse monoclonal antibody lacking the N-linked oligosaccharide side chains of the CH2 domains. Molecular Immunology, 1992, 29, 213-220.	1.0	56
87	Recombinant mouse monoclonal antibodies with single amino acid substitutions affecting C1q and high affinity Fc receptor binding have identical serum half-lives in the BALB/c mouse. Molecular Immunology, 1992, 29, 221-227.	1.0	25
88	Protein engineering. Trends in Biochemical Sciences, 1992, 17, 292-294.	3.7	63
89	The repertoire of human germline vH sequences reveals about fifty groups of VH segments with different hypervariable loops. Journal of Molecular Biology, 1992, 227, 776-798.	2.0	655
90	Structural repertoire of the human VH segments. Journal of Molecular Biology, 1992, 227, 799-817.	2.0	412

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91	Selection of phage antibodies by binding affinity. Journal of Molecular Biology, 1992, 226, 889-896.	2.0	538
92	By-passing immunisation. Journal of Molecular Biology, 1992, 227, 381-388.	2.0	441
93	Antibody framework residues affecting the conformation of the hypervariable loops. Journal of Molecular Biology, 1992, 224, 487-499.	2.0	522
94	Building Antibodies from their Genes. Immunological Reviews, 1992, 130, 41-68.	2.8	146
95	Cell selection strategies for making antibodies from variable gene libraries: trapping the memory pool. European Journal of Immunology, 1992, 22, 867-870.	1.6	55
96	Multi-subunit proteins on the surface of filamentous phage: methodologies for displaying antibody (Fab) heavy and light chains. Nucleic Acids Research, 1991, 19, 4133-4137.	6.5	1,028
97	By-passing immunization. Journal of Molecular Biology, 1991, 222, 581-597.	2.0	1,621
98	Man-made antibodies. Nature, 1991, 349, 293-299.	13.7	972
99	Making antibody fragments using phage display libraries. Nature, 1991, 352, 624-628.	13.7	1,176
100	Filter screening of antibody Fab fragments secreted from individual bacterial colonies: Specific detection of antigen binding with a two-membrane system. Analytical Biochemistry, 1991, 196, 151-155.	1.1	53
101	Oligonucleotide primers for polymerase chain reaction amplification of human immunoglobulin variable genes and design of family-specific oligonucleotide probes. European Journal of Immunology, 1991, 21, 985-991.	1.6	229
102	Phage antibodies: filamentous phage displaying antibody variable domains. Nature, 1990, 348, 552-554.	13.7	2,251
103	Crystallization and preliminary X-ray diffraction study of the bacterially expressed Fv from the monoclonal anti-lysozyme antibody D1.3 and of its complex with the antigen, lysozyme. Journal of Molecular Biology, 1990, 213, 617-619.	2.0	60
104	â€˜Sticky feetâ€™-directed mutagenesis and its application to swapping antibody domains. Nucleic Acids Research, 1989, 17, 10163-10170.	6.5	68
105	Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli. Nature, 1989, 341, 544-546.	13.7	1,038
106	Blood clearance in the mouse of an aglycosyl recombinant monoclonal antibody. Biochemical Society Transactions, 1989, 17, 1061-1062.	1.6	6
107	Reshaping human antibodies for therapy. Nature, 1988, 332, 323-327.	13.7	1,543
108	Localization of the binding site for the human high-affinity Fc receptor on IgG. Nature, 1988, 332, 563-564.	13.7	284

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109	The binding site for C1q on IgG. Nature, 1988, 332, 738-740.	13.7	567
110	Reconstruction by site-directed mutagenesis of the transition state for the activation of tyrosine by the tyrosyl-tRNA synthetase: a mobile loop envelopes the transition state in an induced-fit mechanism. Biochemistry, 1988, 27, 1581-1587.	1.2	171
111	Expression of an antibody Fv fragment in myeloma cells. Journal of Molecular Biology, 1988, 203, 825-828.	2.0	104
112	Structure-activity relationships in engineered proteins: characterization of disruptive deletions in the .alpha.-ammonium group binding site of tyrosyl-tRNA synthetase. Biochemistry, 1987, 26, 6038-6043.	1.2	26
113	A model of synthetase/transfer RNA interaction as deduced by protein engineering. Nature, 1986, 320, 371-373.	13.7	127
114	Sexist ads. Nature, 1986, 321, 106-106.	13.7	1
115	Replacing the complementarity-determining regions in a human antibody with those from a mouse. Nature, 1986, 321, 522-525.	13.7	1,304
116	A transcription terminator in the 5' non-coding region of the tyrosyl tRNA synthetase gene from Bacillus stearothermophilus. FEBS Journal, 1986, 158, 505-510.	0.2	15
117	Hydrogen bonding and biological specificity analysed by protein engineering. Nature, 1985, 314, 235-238.	13.7	1,143
118	EcoK selection vectors for shotgun cloning into M13 and deletion mutagenesls. Nucleic Acids Research, 1985, 13, 8561-8571.	6.5	52
119	Improved oligonudeotide site-directed rautagenesis using M13 vectors. Nucleic Acids Research, 1985, 13, 4431-4443.	6.5	566
120	Engineering of tyrosyl tRNA synthetase. Biochimie, 1985, 67, 737-743.	1.3	2
121	Reversible dissociation of dimeric tyrosyl-tRNA synthetase by mutagenesis at the subunit interface. Biochemistry, 1985, 24, 5852-5857.	1.2	63
122	Fine structure-activity analysis of mutations at position 51 of tyrosyl-tRNA synthetase. Biochemistry, 1985, 24, 5858-5861.	1.2	43
123	Probing histidine-substrate interactions in tyrosyl-tRNA synthetase using asparagine and glutamine replacements. Biochemistry, 1985, 24, 5106-5109.	1.2	96
124	Restructuring Enzymes and Antibodies. , 1985, , 139-140.		0
125	Engineering enzymes. Trends in Biotechnology, 1984, 2, 115-119.	4.9	21
126	A large increase in enzymeâ€“substrate affinity by protein engineering. Nature, 1984, 307, 187-188.	13.7	154

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127	The use of double mutants to detect structural changes in the active site of the tyrosyl-tRNA synthetase (Bacillus stearothermophilus). Cell, 1984, 38, 835-840.	13.5	604
128	Genetic dissection of tyrosyl-tRNA synthetase. Biochemical Society Transactions, 1984, 12, 224-225.	1.6	4
129	Studying Enzyme-Substrate Interactions by Site-Directed Mutagenesis. , 1984, , 123-132.		0
130	SEQUENCE REARRANGEMENTS IN INFLUENZA VIRUS RNA AND RIBONUCLEOPROTEIN STRUCTURE. , 1984, , 65-72.		0
131	The Amino Acid Sequence of the Tyrosy1-tRNA Synthetase from Bacillus stearothermophilus. FEBS Journal, 1983, 132, 383-387.	0.2	113
132	Site-directed mutagenesis as a probe of enzyme structure and catalysis: tyrosyl-tRNA synthetase cysteine-35 to glycine-35 mutation. Biochemistry, 1983, 22, 3581-3586.	1.2	296
133	Does the higher order structure of the influenza virus ribonucleoprotein guide sequence rearrangements in influenza viral RNA?. Cell, 1983, 34, 619-627.	13.5	201
134	Nucteotide sequence of human influenza A/PR/8/34 segment 2. Nucleic Acids Research, 1982, 10, 2135-2143.	6.5	59
135	Nucleotide sequences of influenza virus segments 1 and 3 reveal mosaic structure of a small viral RNA segment. Cell, 1982, 28, 303-313.	13.5	170
136	Redesigning enzyme structure by site-directed mutagenesis: tyrosyl tRNA synthetase and ATP binding. Nature, 1982, 299, 756-758.	13.7	342
137	The structure of the gene encoding the nucleoprotein of human influenza virus A/PR/8/34. Virology, 1981, 114, 423-428.	1.1	115
138	The use of synthetic oligodeoxynucleotide primers in cloning and sequencing segment 8 of influenza virus (A/PR/8/34). Nucleic Acids Research, 1981, 9, 237-246.	6.5	113
139	Nucleotide-sequence heterogeneity and sequence rearrangements in influenza virus cDNA. Gene, 1981, 15, 207-214.	1.0	84
140	Structure of the neuraminidase gene in human influenza virus A/PR/8/34. Nature, 1981, 290, 213-217.	13.7	230
141	Nucleotide sequence of the haemagglutinin gene of a human influenza virus H1 subtype. Nature, 1981, 292, 72-75.	13.7	239
142	The structure of two subgenomic RNAs from human infhienza virus A/PR/8/34. Nucleic Acids Research, 1981, 9, 6907-6915.	6.5	34
143	THE HAEMAGGLUTININ GENE OF INFLUENZA A/PR/8/34. , 1981, , 65-75.		1
144	INFLUENZA VIRUS A/PR/8/34 GENES: SEQUENCING BY A SHOTGUN APPROACH. , 1981, , 55-64.		2

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145	Cloning of influenza cDNA into M13: the sequence of the RNA segment encoding the A/PR/8/34 matrix protein. Nucleic Acids Research, 1980, 8, 1965-1974.	6.5	269