

# K Dane Wittrup

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

187  
papers

13,262  
citations

62  
h-index

111  
g-index

195  
ext. papers

15,119  
ext. citations

9.1  
avg. IF

6.51  
L-index

#	Paper	IF	Citations
187	Maximizing response to intratumoral immunotherapy in mice by tuning local retention.. <i>Nature Communications</i> , <b>2022</b> , 13, 109	17.4	4
186	Intratumourally injected alum-tethered cytokines elicit potent and safer local and systemic anticancer immunity.. <i>Nature Biomedical Engineering</i> , <b>2022</b> ,	19	5
185	Yeast Surface Display for Protein Engineering: Library Generation, Screening, and Affinity Maturation.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2491, 29-62	1.4	
184	Type I interferon activates MHC class I-dressed CD11b conventional dendritic cells to promote protective anti-tumor CD8 T cell immunity. <i>Immunity</i> , <b>2021</b> ,	32.3	16
183	Lack of CD8 T cell effector differentiation during priming mediates checkpoint blockade resistance in non-small cell lung cancer. <i>Science Immunology</i> , <b>2021</b> , 6, eabi8800	28	5
182	Immunotherapy-induced antibodies to endogenous retroviral envelope glycoprotein confer tumor protection in mice. <i>PLoS ONE</i> , <b>2021</b> , 16, e0248903	3.7	0
181	High-throughput phenotypic screen and transcriptional analysis identify new compounds and targets for macrophage reprogramming. <i>Nature Communications</i> , <b>2021</b> , 12, 773	17.4	10
180	Pharmacokinetic tuning of protein-antigen fusions enhances the immunogenicity of T-cell vaccines. <i>Nature Biomedical Engineering</i> , <b>2020</b> , 4, 636-648	19	23
179	Multifunctional oncolytic nanoparticles deliver self-replicating IL-12 RNA to eliminate established tumors and prime systemic immunity. <i>Nature Cancer</i> , <b>2020</b> , 1, 882-893	15.4	38
178	Therapy of Myeloid Leukemia using Novel Bispecific Fusion Proteins Targeting CD45 and Y-DOTA. <i>Molecular Cancer Therapeutics</i> , <b>2020</b> , 19, 2575-2584	6.1	4
177	Connecting the sequence dots: shedding light on the genesis of antibodies reported to be designed in silico. <i>MAbs</i> , <b>2019</b> , 11, 803-808	6.6	4
176	Combining the Specific Anti-MUC1 Antibody TAB004 and Lip-MSA-IL-2 Limits Pancreatic Cancer Progression in Immune Competent Murine Models of Pancreatic Ductal Adenocarcinoma. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 330	5.3	7
175	Order of administration of combination cytokine therapies can decouple toxicity from efficacy in syngeneic mouse tumor models. <i>Onc Immunology</i> , <b>2019</b> , 8, e1558678	7.2	7
174	Anchoring of intratumorally administered cytokines to collagen safely potentiates systemic cancer immunotherapy. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	79
173	Enhanced CAR-T cell activity against solid tumors by vaccine boosting through the chimeric receptor. <i>Science</i> , <b>2019</b> , 365, 162-168	33.3	148
172	What, Why, Where, and When: Bringing Timing to Immuno-Oncology. <i>Trends in Immunology</i> , <b>2019</b> , 40, 12-21	14.4	40
171	Detection of amyloid $\beta$ oligomers toward early diagnosis of Alzheimer's disease. <i>Analytical Biochemistry</i> , <b>2019</b> , 566, 40-45	3.1	16

170	Directed evolution of broadly crossreactive chemokine-blocking antibodies efficacious in arthritis. <i>Nature Communications</i> , <b>2018</b> , 9, 1461	17.4	13
169	Artificial Anti-Tumor Opsonizing Proteins with Fibronectin Scaffolds Engineered for Specificity to Each of the Murine Fc $\gamma$ R Types. <i>Journal of Molecular Biology</i> , <b>2018</b> , 430, 1786-1798	6.5	6
168	A Raf-Competitive K-Ras Binder Can Fail to Functionally Antagonize Signaling. <i>Molecular Cancer Therapeutics</i> , <b>2018</b> , 17, 1773-1780	6.1	7
167	Reduction of Nonspecificity Motifs in Synthetic Antibody Libraries. <i>Journal of Molecular Biology</i> , <b>2018</b> , 430, 119-130	6.5	27
166	CD38-bispecific antibody pretargeted radioimmunotherapy for multiple myeloma and other B-cell malignancies. <i>Blood</i> , <b>2018</b> , 131, 611-620	2.2	37
165	Biophysical properties of the clinical-stage antibody landscape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 944-949	11.5	259
164	Integrin-targeted cancer immunotherapy elicits protective adaptive immune responses. <i>Journal of Experimental Medicine</i> , <b>2017</b> , 214, 1679-1690	16.6	31
163	Purification of common light chain IgG-like bispecific antibodies using highly linear pH gradients. <i>MAbs</i> , <b>2017</b> , 9, 257-268	6.6	10
162	Nonspecificity in a nonimmune human scFv repertoire. <i>MAbs</i> , <b>2017</b> , 9, 1029-1035	6.6	16
161	Curative Multicycle Radioimmunotherapy Monitored by Quantitative SPECT/CT-Based Theranostics, Using Bispecific Antibody Pretargeting Strategy in Colorectal Cancer. <i>Journal of Nuclear Medicine</i> , <b>2017</b> , 58, 1735-1742	8.9	28
160	Chaperone proteins as single component reagents to assess antibody nonspecificity. <i>MAbs</i> , <b>2017</b> , 9, 1036-1040	6.6	17
159	An engineered protein antagonist of K-Ras/B-Raf interaction. <i>Scientific Reports</i> , <b>2017</b> , 7, 5831	4.9	44
158	Antitumor Antibodies Can Drive Therapeutic T Cell Responses. <i>Trends in Cancer</i> , <b>2017</b> , 3, 615-620	12.5	21
157	Engineering Aglycosylated IgG Variants with Wild-Type or Improved Binding Affinity to Human Fc Gamma RIIA and Fc Gamma RIIAs. <i>Journal of Molecular Biology</i> , <b>2017</b> , 429, 2528-2541	6.5	9
156	Cytosolic delivery of siRNA by ultra-high affinity dsRNA binding proteins. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 7602-7614	20.1	5
155	Biopolymers codelivering engineered T cells and STING agonists can eliminate heterogeneous tumors. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 2176-2191	15.9	171
154	Eradication of large established tumors in mice by combination immunotherapy that engages innate and adaptive immune responses. <i>Nature Medicine</i> , <b>2016</b> , 22, 1402-1410	50.5	302
153	Generation of Fluorogen-Activating Designed Ankyrin Repeat Proteins (FADAs) as Versatile Sensor Tools. <i>Journal of Molecular Biology</i> , <b>2016</b> , 428, 1272-1289	6.5	16

152	Theranostic pretargeted radioimmunotherapy of colorectal cancer xenografts in mice using picomolar affinity $\alpha$ - or $\beta$ -DOTA-Bn binding scFv C825/GPA33 IgG bispecific immunoconjugates. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2016</b> , 43, 925-937	8.8	29
151	Determination of Cellular Processing Rates for a Trastuzumab-Maytansinoid Antibody-Drug Conjugate (ADC) Highlights Key Parameters for ADC Design. <i>AAPS Journal</i> , <b>2016</b> , 18, 635-46	3.7	48
150	Temporally Programmed CD8 $\alpha$ DC Activation Enhances Combination Cancer Immunotherapy. <i>Cell Reports</i> , <b>2016</b> , 17, 2503-2511	10.6	32
149	Evolution of Antibody-Drug Conjugate Tumor Disposition Model to Predict Preclinical Tumor Pharmacokinetics of Trastuzumab-Emtansine (T-DM1). <i>AAPS Journal</i> , <b>2016</b> , 18, 861-75	3.7	31
148	Comparative Analysis of Bispecific Antibody and Streptavidin-Targeted Radioimmunotherapy for B-cell Cancers. <i>Cancer Research</i> , <b>2016</b> , 76, 6669-6679	10.1	21
147	Target-independent variable region mediated effects on antibody clearance can be FcRn independent. <i>MAbs</i> , <b>2016</b> , 8, 1269-1275	6.6	24
146	Strong Enrichment of Aromatic Residues in Binding Sites from a Charge-neutralized Hyperthermostable Sso7d Scaffold Library. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 22496-22508	5.4	34
145	Design Principles for SuCESsFul Biosensors: Specific Fluorophore/Analyte Binding and Minimization of Fluorophore/Scaffold Interactions. <i>Journal of Molecular Biology</i> , <b>2016</b> , 428, 4228-4241	6.5	8
144	High throughput cross-interaction measures for human IgG1 antibodies correlate with clearance rates in mice. <i>MAbs</i> , <b>2015</b> , 7, 770-7	6.6	52
143	Immunotherapy: The path to win the war on cancer?. <i>Cell</i> , <b>2015</b> , 161, 185-6	56.2	73
142	Antibody-mediated neutralization of perfringolysin o for intracellular protein delivery. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 1992-2000	5.6	10
141	Antigen specificity can be irrelevant to immunocytokine efficacy and biodistribution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 3320-5	11.5	71
140	Synergistic innate and adaptive immune response to combination immunotherapy with anti-tumor antigen antibodies and extended serum half-life IL-2. <i>Cancer Cell</i> , <b>2015</b> , 27, 489-501	24.3	114
139	Protein Engineering and Selection Using Yeast Surface Display. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1319, 3-36	1.4	62
138	A switchable yeast display/secretion system. <i>Protein Engineering, Design and Selection</i> , <b>2015</b> , 28, 317-25	1.9	32
137	A Flow Cytometric Clonogenic Assay Reveals the Single-Cell Potency of Doxorubicin. <i>Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 104, 4409-4416	3.9	10
136	Molecular Magnetic Resonance Imaging of Tumor Response to Therapy. <i>Scientific Reports</i> , <b>2015</b> , 5, 14752	4.9	36
135	Manipulating the selection forces during affinity maturation to generate cross-reactive HIV antibodies. <i>Cell</i> , <b>2015</b> , 160, 785-797	56.2	125

134	Five birds, one stone: neutralization of Ehemolysin and 4 bi-component leukocidins of <i>Staphylococcus aureus</i> with a single human monoclonal antibody. <i>MAbs</i> , <b>2015</b> , 7, 243-54	6.6	103
133	A Novel Bispecific CD38 Antibody Eradicates Multiple Myeloma in a Mouse Model Following Yttrium-90-DOTA Capture. <i>Blood</i> , <b>2015</b> , 126, 118-118	2.2	1
132	A graphene-based physiometer array for the analysis of single biological cells. <i>Scientific Reports</i> , <b>2014</b> , 4, 6865	4.9	29
131	Functional analysis of single cells identifies a rare subset of circulating tumor cells with malignant traits. <i>Integrative Biology (United Kingdom)</i> , <b>2014</b> , 6, 388-98	3.7	43
130	Equilibrium and dynamic design principles for binding molecules engineered for reagentless biosensors. <i>Analytical Biochemistry</i> , <b>2014</b> , 460, 9-15	3.1	5
129	A Nonpolycationic Fully Proteinaceous Multiagent System for Potent Targeted Delivery of siRNA. <i>Molecular Therapy - Nucleic Acids</i> , <b>2014</b> , 3, e162	10.7	6
128	Tumor cells are dislodged into the pulmonary vein during lobectomy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 148, 3224-31.e1-5	1.5	18
127	Pre-Targeted Radioimmunotherapy Employing a Recombinant Bispecific Antibody Using a Murine Xenograft Model of Human Leukemia. <i>Blood</i> , <b>2014</b> , 124, 3749-3749	2.2	2
126	Yeast surface display for antibody isolation: library construction, library screening, and affinity maturation. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1131, 151-81	1.4	48
125	Emergent properties of nanosensor arrays: applications for monitoring IgG affinity distributions, weakly affined hypermannosylation, and colony selection for biomanufacturing. <i>ACS Nano</i> , <b>2013</b> , 7, 7472-82	16.7	38
124	Engineering fibronectin-based binding proteins by yeast surface display. <i>Methods in Enzymology</i> , <b>2013</b> , 523, 303-26	1.7	40
123	Addressing polyspecificity of antibodies selected from an in vitro yeast presentation system: a FACS-based, high-throughput selection and analytical tool. <i>Protein Engineering, Design and Selection</i> , <b>2013</b> , 26, 663-70	1.9	95
122	Crystal structure of an HSA/FcRn complex reveals recycling by competitive mimicry of HSA ligands at a pH-dependent hydrophobic interface. <i>Structure</i> , <b>2013</b> , 21, 1966-78	5.2	76
121	Determination of 35 cell surface antigen levels in malignant pleural effusions identifies CD24 as a marker of disseminated tumor cells. <i>International Journal of Cancer</i> , <b>2013</b> , 133, 2925-33	7.5	13
120	Synergistic antitumor activity from two-stage delivery of targeted toxins and endosome-disrupting nanoparticles. <i>Biomacromolecules</i> , <b>2013</b> , 14, 1093-102	6.9	15
119	Localized immunotherapy via liposome-anchored Anti-CD137 + IL-2 prevents lethal toxicity and elicits local and systemic antitumor immunity. <i>Cancer Research</i> , <b>2013</b> , 73, 1547-58	10.1	146
118	Rapid conformational epitope mapping of anti-gp120 antibodies with a designed mutant panel displayed on yeast. <i>Journal of Molecular Biology</i> , <b>2013</b> , 425, 444-56	6.5	52
117	Targeted cytolysins synergistically potentiate cytoplasmic delivery of gelonin immunotoxin. <i>Molecular Cancer Therapeutics</i> , <b>2013</b> , 12, 1774-82	6.1	21

116	A series of anti-CEA/anti-DOTA bispecific antibody formats evaluated for pre-targeting: comparison of tumor uptake and blood clearance. <i>Protein Engineering, Design and Selection</i> , <b>2013</b> , 26, 187-93	1.9	26
115	CD8+ T-cell responses rapidly select for antigen-negative tumor cells in the prostate. <i>Cancer Immunology Research</i> , <b>2013</b> , 1, 393-401	12.5	
114	Dose dependence of intratumoral perivascular distribution of monoclonal antibodies. <i>Journal of Pharmaceutical Sciences</i> , <b>2012</b> , 101, 860-7	3.9	32
113	Effect of small-molecule-binding affinity on tumor uptake in vivo: a systematic study using a pretargeted bispecific antibody. <i>Molecular Cancer Therapeutics</i> , <b>2012</b> , 11, 1365-72	6.1	33
112	A mechanistic compartmental model for total antibody uptake in tumors. <i>Journal of Theoretical Biology</i> , <b>2012</b> , 314, 57-68	2.3	65
111	Triepitopic antibody fusions inhibit cetuximab-resistant BRAF and KRAS mutant tumors via EGFR signal repression. <i>Journal of Molecular Biology</i> , <b>2012</b> , 422, 532-44	6.5	27
110	Practical theoretic guidance for the design of tumor-targeting agents. <i>Methods in Enzymology</i> , <b>2012</b> , 503, 255-68	1.7	125
109	Epidermal growth factor receptor downregulation by small heterodimeric binding proteins. <i>Protein Engineering, Design and Selection</i> , <b>2012</b> , 25, 47-57	1.9	22
108	Differential requirement for CD70 and CD80/CD86 in dendritic cell-mediated activation of tumor-tolerized CD8 T cells. <i>Journal of Immunology</i> , <b>2012</b> , 189, 1708-16	5.3	29
107	Yeast Surface Display in Protein Engineering and Analysis <b>2011</b> , 621-648		1
106	Exploiting bias in a non-immune human antibody library to predict antigenicity. <i>Protein Engineering, Design and Selection</i> , <b>2011</b> , 24, 845-53	1.9	1
105	A disulfide-free single-domain V(L) intrabody with blocking activity towards huntingtin reveals a novel mode of epitope recognition. <i>Journal of Molecular Biology</i> , <b>2011</b> , 414, 337-55	6.5	31
104	Engineering an antibody with picomolar affinity to DOTA chelates of multiple radionuclides for pretargeted radioimmunotherapy and imaging. <i>Nuclear Medicine and Biology</i> , <b>2011</b> , 38, 223-33	2.1	44
103	Bispecific designed ankyrin repeat proteins (DARPs) targeting epidermal growth factor receptor inhibit A431 cell proliferation and receptor recycling. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 41273-41285	5.4	75
102	Biodistribution and clearance of small molecule hapten chelates for pretargeted radioimmunotherapy. <i>Molecular Imaging and Biology</i> , <b>2011</b> , 13, 215-21	3.8	20
101	Integrated mimicry of B cell antibody mutagenesis using yeast homologous recombination. <i>Molecular Biotechnology</i> , <b>2011</b> , 47, 57-69	3	12
100	Convergent potency of internalized gelonin immunotoxins across varied cell lines, antigens, and targeting moieties. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 4165-72	5.4	58
99	Combination antibody treatment down-regulates epidermal growth factor receptor by inhibiting endosomal recycling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 13252-7	11.5	118

98	A modular IgG-scFv bispecific antibody topology. <i>Protein Engineering, Design and Selection</i> , <b>2010</b> , 23, 221-8	1.9	78
97	The full amino acid repertoire is superior to serine/tyrosine for selection of high affinity immunoglobulin G binders from the fibronectin scaffold. <i>Protein Engineering, Design and Selection</i> , <b>2010</b> , 23, 211-9	1.9	29
96	Activation of tolerogenic dendritic cells in the tumor draining lymph nodes by CD8+ T cells engineered to express CD40 ligand. <i>Journal of Immunology</i> , <b>2010</b> , 184, 3394-400	5.3	12
95	Cutting edge: delay and reversal of T cell tolerance by intratumoral injection of antigen-loaded dendritic cells in an autochthonous tumor model. <i>Journal of Immunology</i> , <b>2010</b> , 184, 5954-8	5.3	17
94	Stability and CDR composition biases enrich binder functionality landscapes. <i>Journal of Molecular Biology</i> , <b>2010</b> , 401, 84-96	6.5	67
93	Yeast Display and Selections <b>2010</b> , 207-233		7
92	Antibodies specifically targeting a locally misfolded region of tumor associated EGFR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 5082-7	11.5	55
91	A modeling analysis of the effects of molecular size and binding affinity on tumor targeting. <i>Molecular Cancer Therapeutics</i> , <b>2009</b> , 8, 2861-71	6.1	411
90	Soluble IL-2RA levels in multiple sclerosis subjects and the effect of soluble IL-2RA on immune responses. <i>Journal of Immunology</i> , <b>2009</b> , 182, 1541-7	5.3	113
89	Directed evolution of a secretory leader for the improved expression of heterologous proteins and full-length antibodies in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , <b>2009</b> , 103, 1192-2019	4.9	144
88	Highly avid magnetic bead capture: an efficient selection method for de novo protein engineering utilizing yeast surface display. <i>Biotechnology Progress</i> , <b>2009</b> , 25, 774-83	2.8	62
87	High-affinity lamprey VLRA and VLRB monoclonal antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 12891-6	11.5	96
86	Engineered interleukin-2 antagonists for the inhibition of regulatory T cells. <i>Journal of Immunotherapy</i> , <b>2009</b> , 32, 887-94	5	31
85	Monovalent, reduced-size quantum dots for imaging receptors on living cells. <i>Nature Methods</i> , <b>2008</b> , 5, 397-9	21.6	365
84	Picomolar affinity fibronectin domains engineered utilizing loop length diversity, recursive mutagenesis, and loop shuffling. <i>Journal of Molecular Biology</i> , <b>2008</b> , 381, 1238-52	6.5	139
83	Factors determining antibody distribution in tumors. <i>Trends in Pharmacological Sciences</i> , <b>2008</b> , 29, 57-61	13.2	156
82	Highly L and D enantioselective variants of horseradish peroxidase discovered by an ultrahigh-throughput selection method. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 17694-9	11.5	42
81	Quantitative spatiotemporal analysis of antibody fragment diffusion and endocytic consumption in tumor spheroids. <i>Cancer Research</i> , <b>2008</b> , 68, 3334-41	10.1	85



80	Aglycosylated immunoglobulin G1 variants productively engage activating Fc receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 20167-72	11.5	144
79	Antigen release kinetics in the phagosome are critical to cross-presentation efficiency. <i>Journal of Immunology</i> , <b>2008</b> , 180, 1576-83	5.3	39
78	Effect of antigen turnover rate and expression level on antibody penetration into tumor spheroids. <i>Molecular Cancer Therapeutics</i> , <b>2008</b> , 7, 2233-40	6.1	85
77	Rapid tolerization of virus-activated tumor-specific CD8+ T cells in prostate tumors of TRAMP mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 13003-8	11.5	63
76	Inducing efficient cross-priming using antigen-coated yeast particles. <i>Journal of Immunotherapy</i> , <b>2008</b> , 31, 607-19	5	13
75	A33 antigen displays persistent surface expression. <i>Cancer Immunology, Immunotherapy</i> , <b>2008</b> , 57, 1017-24	7.4	53
74	Kinetics of anti-carcinoembryonic antigen antibody internalization: effects of affinity, bivalency, and stability. <i>Cancer Immunology, Immunotherapy</i> , <b>2008</b> , 57, 1879-90	7.4	59
73	Antibody tumor penetration: transport opposed by systemic and antigen-mediated clearance. <i>Advanced Drug Delivery Reviews</i> , <b>2008</b> , 60, 1421-34	18.5	375
72	Peptide tags for enhanced cellular and protein adhesion to single-crystalline sapphire. <i>Biotechnology and Bioengineering</i> , <b>2007</b> , 97, 1009-20	4.9	56
71	Selection of horseradish peroxidase variants with enhanced enantioselectivity by yeast surface display. <i>Chemistry and Biology</i> , <b>2007</b> , 14, 1176-85		81
70	Computational design of antibody-affinity improvement beyond in vivo maturation. <i>Nature Biotechnology</i> , <b>2007</b> , 25, 1171-6	44.5	253
69	Yeast surface display for protein engineering and characterization. <i>Current Opinion in Structural Biology</i> , <b>2007</b> , 17, 467-73	8.1	296
68	Theoretic criteria for antibody penetration into solid tumors and micrometastases. <i>Journal of Nuclear Medicine</i> , <b>2007</b> , 48, 995-9	8.9	95
67	Evolution of an interloop disulfide bond in high-affinity antibody mimics based on fibronectin type III domain and selected by yeast surface display: molecular convergence with single-domain camelid and shark antibodies. <i>Journal of Molecular Biology</i> , <b>2007</b> , 368, 1024-41	6.5	84
66	Structural model of the mAb 806-EGFR complex using computational docking followed by computational and experimental mutagenesis. <i>Structure</i> , <b>2006</b> , 14, 401-14	5.2	48
65	Contrasting secretory processing of simultaneously expressed heterologous proteins in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , <b>2006</b> , 93, 896-905	4.9	23
64	Improved mutants from directed evolution are biased to orthologous substitutions. <i>Protein Engineering, Design and Selection</i> , <b>2006</b> , 19, 245-53	1.9	53
63	A high affinity human antibody antagonist of P-selectin mediated rolling. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 350, 508-13	3.4	6



62	Directed evolution for improved secretion of cancer-testis antigen NY-ESO-1 from yeast. <i>Protein Expression and Purification</i> , <b>2006</b> , 48, 232-42	2	31
61	A flow cytometric assay for screening improved heterologous protein secretion in yeast. <i>Biotechnology Progress</i> , <b>2006</b> , 22, 1200-8	2.8	28
60	Stochastic kinetics of intracellular huntingtin aggregate formation. <i>Nature Chemical Biology</i> , <b>2006</b> , 2, 319-23	11.7	55
59	Isolating and engineering human antibodies using yeast surface display. <i>Nature Protocols</i> , <b>2006</b> , 1, 755-688.8	8.8	598
58	Context-dependent mutations predominate in an engineered high-affinity single chain antibody fragment. <i>Protein Science</i> , <b>2006</b> , 15, 324-34	6.3	23
57	Directed evolution of the epidermal growth factor receptor extracellular domain for expression in yeast. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2006</b> , 62, 1026-35	4.2	56
56	Design criteria for engineering inorganic material-specific peptides. <i>Langmuir</i> , <b>2005</b> , 21, 6929-33	4	177
55	High-affinity CD25-binding IL-2 mutants potently stimulate persistent T cell growth. <i>Biochemistry</i> , <b>2005</b> , 44, 10696-701	3.2	52
54	Integrating cell-level kinetic modeling into the design of engineered protein therapeutics. <i>Nature Biotechnology</i> , <b>2005</b> , 23, 191-4	44.5	43
53	Directed evolution in chemical engineering. <i>AIChE Journal</i> , <b>2005</b> , 51, 3083-3085	3.6	
52	Probing the interface between biomolecules and inorganic materials using yeast surface display and genetic engineering. <i>Acta Biomaterialia</i> , <b>2005</b> , 1, 145-54	10.8	51
51	Degradation of mutated bovine pancreatic trypsin inhibitor in the yeast vacuole suggests post-endoplasmic reticulum protein quality control. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 15289-97	5.4	55
50	Potent inhibition of huntingtin aggregation and cytotoxicity by a disulfide bond-free single-domain intracellular antibody. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 17616-21	11.5	162
49	Directed evolution of an anti-carcinoembryonic antigen scFv with a 4-day monovalent dissociation half-time at 37 degrees C. <i>Protein Engineering, Design and Selection</i> , <b>2004</b> , 17, 293-304	1.9	113
48	Shuffled antibody libraries created by in vivo homologous recombination and yeast surface display. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, e36	20.1	80
47	Single-chain antibody fragment-based adsorbent for the extracorporeal removal of beta2-microglobulin. <i>Kidney International</i> , <b>2004</b> , 65, 310-22	9.9	14
46	Domain-level antibody epitope mapping through yeast surface display of epidermal growth factor receptor fragments. <i>Journal of Immunological Methods</i> , <b>2004</b> , 287, 147-58	2.5	79
45	Identification of the epitope for the epidermal growth factor receptor-specific monoclonal antibody 806 reveals that it preferentially recognizes an untethered form of the receptor. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 30375-84	5.4	102

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