

Renate E Kunert

List of Publications by Year in descending order

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147
papers

8,967
citations

66250

44
h-index

48101

92
g-index

155
all docs

155
docs citations

155
times ranked

7848
citing authors

#	ARTICLE	IF	CITATIONS
1	SARS-CoV-2-Specific Antibody (Ab) Levels and the Kinetic of Ab Decline Determine Ab Persistence Over 1 Year. <i>Frontiers in Medicine</i> , 2022, 9, 822316.	1.2	2
2	Monitoring of heat- and light exposure of cell culture media by RAMAN spectroscopy: Towards an analytical tool for cell culture media quality control. <i>Biochemical Engineering Journal</i> , 2021, 166, 107845.	1.8	7
3	Directed Evolution of Stabilized Monomeric CD19 for Monovalent CAR Interaction Studies and Monitoring of CAR-T Cell Patients. <i>ACS Synthetic Biology</i> , 2021, 10, 1184-1198.	1.9	9
4	Shake tube perfusion cell cultures are suitable tools for the prediction of limiting substrate, <sc>CSPR</sc>, bleeding strategy, growth and productivity behavior. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2930-2939.	1.6	11
5	Eukaryotic Expression Systems for Upstream Processing of Monoclonal Antibodies. <i>Learning Materials in Biosciences</i> , 2021, , 343-362.	0.2	0
6	Functional Trimeric SARS-CoV-2 Envelope Protein Expressed in Stable CHO Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 779359.	2.0	4
7	Rapid development of clone-specific, high-performing perfusion media from established feed supplements. <i>Biotechnology Progress</i> , 2020, 36, e2933.	1.3	13
8	Transient pentameric IgM fulfill biological function—Effect of expression host and transfection on IgM properties. <i>PLoS ONE</i> , 2020, 15, e0229992.	1.1	4
9	Getting CD19 Into Shape: Expression of Natively Folded “Difficult-to- Express” CD19 for Staining and Stimulation of CAR-T Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 49.	2.0	9
10	Inefficient CAR-proximal signaling blunts antigen sensitivity. <i>Nature Immunology</i> , 2020, 21, 848-856.	7.0	83
11	Screening of Media Supplements for High-Performance Perfusion Cultures by Design of Experiment. <i>Methods in Molecular Biology</i> , 2020, 2095, 27-39.	0.4	3
12	Analysis of Product Quality of Complex Polymeric IgM Produced by CHO Cells. <i>Methods in Molecular Biology</i> , 2020, 2095, 295-302.	0.4	0
13	Germinality does not necessarily define mAb expression and thermal stability. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7505-7518.	1.7	3
14	Impact of temperature and pH on recombinant human IgM quality attributes and productivity. <i>New Biotechnology</i> , 2019, 50, 20-26.	2.4	12
15	Comparative Antigenicity of Thiourea and Adipic Amide Linked Neoglycoconjugates Containing Modified Oligomannose Epitopes for the Carbohydrate-Specific anti-HIV Antibody 2G12. <i>Bioconjugate Chemistry</i> , 2019, 30, 70-82.	1.8	15
16	Bioprocessing of Recombinant CHO-K1, CHO-DG44, and CHO-S: CHO Expression Hosts Favor Either mAb Production or Biomass Synthesis. <i>Biotechnology Journal</i> , 2019, 14, 1700686.	1.8	44
17	Multiple reaction monitoring targeted LC-MS analysis of potential cell death marker proteins for increased bioprocess control. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3197-3207.	1.9	7
18	Differential gene expression of a feed-spiked super-producing CHO cell line. <i>Journal of Biotechnology</i> , 2018, 285, 23-37.	1.9	14

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19	Lessons learned from merging wet lab experiments with molecular simulation to improve mAb humanization. <i>Protein Engineering, Design and Selection</i> , 2018, 31, 257-265.	1.0	6
20	Nomenclature of humanized mAbs: Early concepts, current challenges and future perspectives. <i>Human Antibodies</i> , 2018, 27, 37-51.	0.6	27
21	Cloning of Single-Chain Antibody Variants by Overlap-Extension PCR for Evaluation of Antibody Expression in Transient Gene Expression. <i>Methods in Molecular Biology</i> , 2017, 1603, 57-69.	0.4	1
22	Glycan profile of CHO derived IgM purified by highly efficient single step affinity chromatography. <i>Analytical Biochemistry</i> , 2017, 539, 162-166.	1.1	16
23	A human monocytic NF- κ B fluorescent reporter cell line for detection of microbial contaminants in biological samples. <i>PLoS ONE</i> , 2017, 12, e0178220.	1.1	28
24	Proteomic differences in recombinant CHO cells producing two similar antibody fragments. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1902-1912.	1.7	29
25	Biphasic cultivation strategy to avoid Epo-Fc aggregation and optimize protein expression. <i>Journal of Biotechnology</i> , 2016, 227, 3-9.	1.9	18
26	Antibody humanization by molecular dynamics simulationsâ€” <i>in silico</i> guided selection of critical backmutations. <i>Journal of Molecular Recognition</i> , 2016, 29, 266-275.	1.1	29
27	Advances in recombinant antibody manufacturing. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3451-3461.	1.7	291
28	Identification of bottlenecks in antibody expression using targeted gene integration. <i>BMC Proceedings</i> , 2015, 9, P7.	1.8	1
29	Improved Protocol for Rapid Identification of Certain Spa Types Using High Resolution Melting Curve Analysis. <i>PLoS ONE</i> , 2015, 10, e0116713.	1.1	14
30	Upstream and downstream processing of recombinant IgA. <i>Biotechnology Letters</i> , 2015, 37, 241-251.	1.1	13
31	Introduction of germline residues improves the stability of anti-HIV mAb 2G12-IgM. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1536-1544.	1.1	7
32	Benchmarking of commercially available CHO cell culture media for antibody production. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4645-4657.	1.7	105
33	Heterologous protein production using euchromatin-containing expression vectors in mammalian cells. <i>Nucleic Acids Research</i> , 2015, 43, e102-e102.	6.5	46
34	Evaluating the bottlenecks of recombinant IgM production in mammalian cells. <i>Cytotechnology</i> , 2015, 67, 343-356.	0.7	23
35	Novel Bifunctional Single-Chain Variable Antibody Fragments to Enhance Virolysis by Complement: Generation and Proof-of-Concept. <i>BioMed Research International</i> , 2014, 2014, 1-14.	0.9	2
36	Generation of a Canine Anti-EGFR (ErbB-1) Antibody for Passive Immunotherapy in Dog Cancer Patients. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 1777-1790.	1.9	45

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37	Stable overexpression of miR-17 enhances recombinant protein production of CHO cells. <i>Journal of Biotechnology</i> , 2014, 175, 38-44.	1.9	67
38	In search of expression bottlenecks in recombinant CHO cell lines—a case study. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5959-5965.	1.7	21
39	Novel human renal proximal tubular cell line for the production of complex proteins. <i>Journal of Biotechnology</i> , 2014, 176, 29-39.	1.9	6
40	Accurate comparison of antibody expression levels by reproducible transgene targeting in engineered recombination-competent CHO cells. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 9723-9733.	1.7	14
41	Establishment of stable, high producing, recombinant CHO cell lines using Rosa26 Bacterial Artificial Chromosomes for transgene delivery. <i>New Biotechnology</i> , 2014, 31, S187.	2.4	0
42	Advanced clarification of cell culture supernatant by 3M [®] AEX Hybrid Purifier for fast and economic bioprocessing of recombinant proteins. <i>New Biotechnology</i> , 2014, 31, S117-S118.	2.4	0
43	RMCE reference sites—a valuable tool for comparing antibody expression capabilities in CHO cells. <i>New Biotechnology</i> , 2014, 31, S186-S187.	2.4	0
44	Cross-species comparison of recombinant protein secretion in CHO cells and <i>Pichia pastoris</i> . <i>New Biotechnology</i> , 2014, 31, S4.	2.4	0
45	Identification of microRNAs specific for high producer CHO cell lines using steady-state cultivation. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7535-7548.	1.7	29
46	<i>Pichia pastoris</i> secretes recombinant proteins less efficiently than Chinese hamster ovary cells but allows higher space-time yields for less complex proteins. <i>Biotechnology Journal</i> , 2014, 9, 526-537.	1.8	55
47	Transgene copy number comparison in recombinant mammalian cell lines: critical reflection of quantitative real-time PCR evaluation. <i>Cytotechnology</i> , 2013, 65, 811-818.	0.7	11
48	Characterization of recombinant IgA producing CHO cell lines by qPCR. <i>BMC Proceedings</i> , 2013, 7, P114.	1.8	4
49	Powerful expression in Chinese Hamster Ovary cells using bacterial artificial chromosomes: parameters influencing productivity. <i>BMC Proceedings</i> , 2013, 7, .	1.8	7
50	Exploration of BAC versus plasmid expression vectors in recombinant CHO cells. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 4049-4054.	1.7	22
51	Ch14.18 antibody produced in CHO cells in relapsed or refractory Stage 4 neuroblastoma patients. <i>MAbs</i> , 2013, 5, 801-809.	2.6	66
52	Recent advances in recombinant protein production. <i>Bioengineered</i> , 2013, 4, 258-261.	1.4	20
53	Recombinant IgM expression in mammalian cells: A target protein challenging biotechnological production. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2013, 04, 38-43.	0.3	15
54	One-Step Triplex High-Resolution Melting Analysis for Rapid Identification and Simultaneous Subtyping of Frequently Isolated Salmonella Serovars. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3352-3360.	1.4	19

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55	The Neutralizing Anti-HIV Antibody 2G12. , 2012, , 147-160.		0
56	Growth, productivity and protein glycosylation in a CHO EpoFc producer cell line adapted to glutamine-free growth. Journal of Biotechnology, 2012, 157, 295-303.	1.9	45
57	Bacterial artificial chromosome versus conventional vector based protein expression in CHO cells: a comparison study. New Biotechnology, 2012, 29, S162.	2.4	0
58	Strategies for Efficient Transfection of CHO-Cells with Plasmid DNA. Methods in Molecular Biology, 2012, 801, 213-226.	0.4	5
59	Evaluation of the Potency of the Anti-Idiotypic Antibody Ab2/3H6 Mimicking gp41 as an HIV-1 Vaccine in a Rabbit Prime/Boost Study. PLoS ONE, 2012, 7, e39063.	1.1	7
60	A screening method to assess biological effects of microRNA overexpression in Chinese hamster ovary cells. Biotechnology and Bioengineering, 2012, 109, 1376-1385.	1.7	45
61	Recombinant Fab expression and secretion in Escherichia coli continuous culture at medium cell densities: Influence of temperature. Process Biochemistry, 2012, 47, 446-452.	1.8	21
62	Recombinant IgA production: Single step affinity purification using camelid ligands and product characterization. Journal of Immunological Methods, 2012, 378, 95-101.	0.6	28
63	Recognition of Membrane-Bound Fusion-Peptide/MPER Complexes by the HIV-1 Neutralizing 2F5 Antibody: Implications for Anti-2F5 Immunogenicity. PLoS ONE, 2012, 7, e52740.	1.1	9
64	Approaches for Humanization of an Anti-idiotypic Murine Monoclonal Antibody. , 2012, , 593-598.		0
65	Production of monoclonal antibodies with a controlled N-glycosylation pattern in seeds of Arabidopsis thaliana. Plant Biotechnology Journal, 2011, 9, 179-192.	4.1	50
66	3D6 and 4B3: Recombinant expression of two anti-gp41 antibodies as dimeric and secretory IgA. BMC Proceedings, 2011, 5, P56.	1.8	0
67	Anti-idiotypic antibody Ab2/3H6 mimicking gp41: a potential HIV-1 vaccine?. BMC Proceedings, 2011, 5, P64.	1.8	1
68	Influence of growth temperature on the production of antibody Fab fragments in different microbes: A host comparative analysis. Biotechnology Progress, 2011, 27, 38-46.	1.3	46
69	Next-generation sequencing of the Chinese hamster ovary microRNA transcriptome: Identification, annotation and profiling of microRNAs as targets for cellular engineering. Journal of Biotechnology, 2011, 153, 62-75.	1.9	102
70	Expression of Antibody Fragments with a Controlled N-Glycosylation Pattern and Induction of Endoplasmic Reticulum-Derived Vesicles in Seeds of Arabidopsis. Plant Physiology, 2011, 155, 2036-2048.	2.3	50
71	Interaction of Anti-HIV Type 1 Antibody 2F5 with Phospholipid Bilayers and Its Relevance for the Mechanism of Virus Neutralization. AIDS Research and Human Retroviruses, 2011, 27, 863-876.	0.5	11
72	Molecular Simulations to Rationalize Humanized Ab2/3H6 Activity. Australian Journal of Chemistry, 2011, 64, 900.	0.5	3

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73	Comparison of hybridization methods and real-time PCR: their value in animal cell line characterization. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 419-425.	1.7	17
74	IgM characterization directly performed in crude culture supernatants by a new simple electrophoretic method. <i>Journal of Immunological Methods</i> , 2010, 359, 21-27.	0.6	15
75	Confocal microscopy of giant vesicles supports the absence of HIV-1 neutralizing 2F5 antibody reactivity to plasma membrane phospholipids. <i>FEBS Letters</i> , 2010, 584, 1591-1596.	1.3	19
76	Membrane pore formation by the human immunodeficiency virus type-1 neutralizing anti-gp41 antibody 2F5. <i>Chemistry and Physics of Lipids</i> , 2010, 163, S46.	1.5	0
77	Fc-Glycosylation Influences Fcγ3 Receptor Binding and Cell-Mediated Anti-HIV Activity of Monoclonal Antibody 2G12. <i>Journal of Immunology</i> , 2010, 185, 6876-6882.	0.4	138
78	In Planta Protein Sialylation through Overexpression of the Respective Mammalian Pathway. <i>Journal of Biological Chemistry</i> , 2010, 285, 15923-15930.	1.6	193
79	Inhibition of <i>In Vivo</i> HIV Infection in Humanized Mice by Gene Therapy of Human Hematopoietic Stem Cells with a Lentiviral Vector Encoding a Broadly Neutralizing Anti-HIV Antibody. <i>Journal of Virology</i> , 2010, 84, 6645-6653.	1.5	75
80	Topological transformation of liposomes by a membrane-affecting domain of recombinant human erythropoietin. <i>Journal of Liposome Research</i> , 2010, 20, 24-30.	1.5	1
81	Proline Is Not Uniquely Capable of Providing the Pivot Point for Domain Swapping in 2G12, a Broadly Neutralizing Antibody against HIV-1*. <i>Journal of Biological Chemistry</i> , 2010, 285, 1122-1127.	1.6	12
82	Humanization strategies for an anti-idiotypic antibody mimicking HIV-1 gp41. <i>Protein Engineering, Design and Selection</i> , 2010, 23, 947-954.	1.0	16
83	Characterization of an Anti-Idiotypic Antibody Blocking the Capacity of the HIV-1 Specific nMAb 2F5. , 2010, , 803-806.		0
84	Serum-free transfection of CHO cells with chemically defined transfection systems and investigation of their potential for transient and stable transfection. <i>Cytotechnology</i> , 2009, 60, 115-123.	0.7	18
85	CHO-recombinant human growth hormone as a protease sensitive reporter protein. <i>Applied Microbiology and Biotechnology</i> , 2009, 84, 693-699.	1.7	0
86	A close look at human IgG sialylation and subclass distribution after lectin fractionation. <i>Proteomics</i> , 2009, 9, 4143-4153.	1.3	89
87	A study on the temperature dependency and time course of the cold capture antibody secretion assay. <i>Journal of Biotechnology</i> , 2009, 141, 80-83.	1.9	34
88	Improved Virus Neutralization by Plant-produced Anti-HIV Antibodies with a Homogeneous β 1,4-Galactosylated N-Glycan Profile. <i>Journal of Biological Chemistry</i> , 2009, 284, 20479-20485.	1.6	156
89	The absence of effect of gene copy number and mRNA level on the amount of mAb secretion from mammalian cells. <i>Applied Microbiology and Biotechnology</i> , 2008, 81, 701-710.	1.7	25
90	Expression, Purification, and In Vivo Administration of a Promising Anti-Idiotypic HIV-1 Vaccine. <i>Molecular Biotechnology</i> , 2008, 39, 119-125.	1.3	6

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91	Analysis of immunoglobulin glycosylation by LC-ESI-MS of glycopeptides and oligosaccharides. <i>Proteomics</i> , 2008, 8, 2858-2871.	1.3	294
92	Transcriptional profiling of phenotypically different Epo-Fc expressing CHO clones by cross-species microarray analysis. <i>Biotechnology Journal</i> , 2008, 3, 924-937.	1.8	22
93	Effect of Increased Expression of Protein Disulfide Isomerase and Heavy Chain Binding Protein on Antibody Secretion in a Recombinant CHO Cell Line. <i>Biotechnology Progress</i> , 2008, 21, 106-111.	1.3	164
94	Recombinant antibody 2G12 produced in maize endosperm efficiently neutralizes HIV-1 and contains predominantly single-GlcNAc glycans. <i>Plant Biotechnology Journal</i> , 2008, 6, 189-201.	4.1	166
95	Lipid modulation of membrane-bound epitope recognition and blocking by HIV-1 neutralizing antibodies. <i>FEBS Letters</i> , 2008, 582, 3798-3804.	1.3	19
96	Crystal Structure of the Complex between the Fab ² Fragment of the Cross-Neutralizing Anti-HIV-1 Antibody 2F5 and the Fab Fragment of Its Anti-idiotypic Antibody 3H6. <i>Journal of Molecular Biology</i> , 2008, 382, 910-919.	2.0	20
97	Structural analysis and in vivo administration of an anti-idiotypic antibody against mAb 2F5. <i>Molecular Immunology</i> , 2008, 45, 1027-1034.	1.0	12
98	The Broadly Neutralizing Anti-Human Immunodeficiency Virus Type 1 4E10 Monoclonal Antibody Is Better Adapted to Membrane-Bound Epitope Recognition and Blocking than 2F5. <i>Journal of Virology</i> , 2008, 82, 8986-8996.	1.5	44
99	A peptide inhibitor of HIV-1 neutralizing antibody 2G12 is not a structural mimic of the natural carbohydrate epitope on gp120. <i>FASEB Journal</i> , 2008, 22, 1380-1392.	0.2	31
100	Functional analysis of the broadly neutralizing human anti-HIV-1 antibody 2F5 produced in transgenic BY-2 suspension cultures. <i>FASEB Journal</i> , 2007, 21, 1655-1664.	0.2	84
101	A plant-derived human monoclonal antibody induces an anti-carbohydrate immune response in rabbits. <i>Glycobiology</i> , 2007, 18, 235-241.	1.3	105
102	Reassessment of autoreactivity of the broadly neutralizing HIV antibodies 4E10 and 2F5 and retrospective analysis of clinical safety data. <i>Aids</i> , 2007, 21, 2161-2170.	1.0	44
103	Characterisation of recombinant CHO cell lines by investigation of protein productivities and genetic parameters. <i>Journal of Biotechnology</i> , 2007, 128, 716-725.	1.9	45
104	High level expression of a promising anti-idiotypic antibody fragment vaccine against HIV-1 in <i>Pichia pastoris</i> . <i>Journal of Biotechnology</i> , 2007, 128, 735-746.	1.9	41
105	Improvement of the energy metabolism of recombinant CHO cells by cell sorting for reduced mitochondrial membrane potential. <i>Journal of Biotechnology</i> , 2007, 129, 651-657.	1.9	27
106	Partial Humanization and Characterization of an Anti-idiotypic Antibody against Monoclonal Antibody 2F5, a Potential HIV Vaccine?. <i>AIDS Research and Human Retroviruses</i> , 2007, 23, 1405-1415.	0.5	13
107	Protein-free transfection of CHO host cells with an IgG-fusion protein: Selection and characterization of stable high producers and comparison to conventionally transfected clones. <i>Biotechnology and Bioengineering</i> , 2007, 96, 1118-1126.	1.7	34
108	Applicability of different fluorescent dyes for isoform quantification on linear IPG gels. <i>Electrophoresis</i> , 2007, 28, 2100-2107.	1.3	6

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109	Production of a monoclonal antibody in plants with a humanized <i>N</i> -glycosylation pattern. <i>Plant Biotechnology Journal</i> , 2007, 5, 657-663.	4.1	179
110	Serum-free transfection of CHO-cells with tailor-made unilamellar vesicles. <i>Cytotechnology</i> , 2007, 54, 157-168.	0.7	6
111	Validated Method for Quantification of Genetically Modified Organisms in Samples of Maize Flour. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 678-681.	2.4	10
112	Specific phospholipid recognition by human immunodeficiency virus type-1 neutralizing anti-gp41 2F5 antibody. <i>FEBS Letters</i> , 2006, 580, 2395-2399.	1.3	46
113	Biochemical characterization of rhEpo-Fc fusion protein expressed in CHO cells. <i>Protein Expression and Purification</i> , 2006, 49, 265-275.	0.6	53
114	A novel strategy for quantitative isoform detection directly performed from culture supernatant. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 42, 322-327.	1.4	7
115	Identification of transgene integration loci of different highly expressing recombinant CHO cell lines by FISH. <i>Cytotechnology</i> , 2006, 51, 171-182.	0.7	23
116	Engineering of <i>Pichia pastoris</i> for improved production of antibody fragments. <i>Biotechnology and Bioengineering</i> , 2006, 94, 353-361.	1.7	177
117	Process parameter shifting: Part II. Biphasic cultivation – A tool for enhancing the volumetric productivity of batch processes using Epo-Fc expressing CHO cells. <i>Biotechnology and Bioengineering</i> , 2006, 94, 1045-1052.	1.7	72
118	Process parameter shifting: Part I. Effect of DOT, pH, and temperature on the performance of Epo-Fc expressing CHO cells cultivated in controlled batch bioreactors. <i>Biotechnology and Bioengineering</i> , 2006, 94, 1033-1044.	1.7	186
119	Recognition and Blocking of HIV-1 gp41 Pre-transmembrane Sequence by Monoclonal 4E10 Antibody in a Raft-like Membrane Environment. <i>Journal of Biological Chemistry</i> , 2006, 281, 39598-39606.	1.6	41
120	Membrane Association and Epitope Recognition by HIV-1 Neutralizing Anti-gp41 2F5 and 4E10 Antibodies. <i>AIDS Research and Human Retroviruses</i> , 2006, 22, 998-1006.	0.5	63
121	HIV-1 mutants escaping neutralization by the human antibodies 2F5, 2G12, and 4E10: in vitro experiments versus clinical studies. <i>Aids</i> , 2005, 19, 1957-1966.	1.0	45
122	Establishment of a strategy for the rapid generation of a monoclonal antibody against the human protein SNEV (hNMP200) by flow-cytometric cell sorting. <i>Journal of Immunological Methods</i> , 2005, 307, 13-23.	0.6	7
123	Cardiolipin Polyspecific Autoreactivity in Two Broadly Neutralizing HIV-1 Antibodies. <i>Science</i> , 2005, 308, 1906-1908.	6.0	704
124	Anti-Human Immunodeficiency Virus Type 1 (HIV-1) Antibodies 2F5 and 4E10 Require Surprisingly Few Crucial Residues in the Membrane-Proximal External Region of Glycoprotein gp41 To Neutralize HIV-1. <i>Journal of Virology</i> , 2005, 79, 1252-1261.	1.5	259
125	Anti-neuroblastoma effect of ch14.18 antibody produced in CHO cells is mediated by NK-cells in mice. <i>Molecular Immunology</i> , 2005, 42, 1311-1319.	1.0	99
126	Broadly Neutralizing Anti-HIV Antibody 4E10 Recognizes a Helical Conformation of a Highly Conserved Fusion-Associated Motif in gp41. <i>Immunity</i> , 2005, 22, 163-173.	6.6	410

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127	The Long Third Complementarity-Determining Region of the Heavy Chain Is Important in the Activity of the Broadly Neutralizing Anti-Human Immunodeficiency Virus Type 1 Antibody 2F5. <i>Journal of Virology</i> , 2004, 78, 3155-3161.	1.5	111
128	Binding of the 2F5 Monoclonal Antibody to Native and Fusion-Intermediate Forms of Human Immunodeficiency Virus Type 1 gp41: Implications for Fusion-Inducing Conformational Changes. <i>Journal of Virology</i> , 2004, 78, 2627-2631.	1.5	87
129	Screening for improved cell performance: Selection of subclones with altered production kinetics or improved stability by cell sorting. <i>Biotechnology and Bioengineering</i> , 2004, 88, 699-706.	1.7	39
130	Comprehensive Cross-Clade Neutralization Analysis of a Panel of Anti-Human Immunodeficiency Virus Type 1 Monoclonal Antibodies. <i>Journal of Virology</i> , 2004, 78, 13232-13252.	1.5	665
131	Characterization of Molecular Features, Antigen-Binding, and in Vitro Properties of IgG and IgM Variants of 4E10, an Anti-HIV Type 1 Neutralizing Monoclonal Antibody. <i>AIDS Research and Human Retroviruses</i> , 2004, 20, 755-762.	0.5	74
132	Electron microscopic and immunochemical analysis of the broadly neutralizing HIV-1-specific, anti-carbohydrate antibody, 2G12. <i>Molecular Immunology</i> , 2004, 41, 1001-1011.	1.0	22
133	Inhibition of Human Immunodeficiency Virus Type 1 Entry in Cells Expressing gp41-Derived Peptides. <i>Journal of Virology</i> , 2004, 78, 568-575.	1.5	141
134	Characterization of Human Class-Switched Polymeric (Immunoglobulin M [IgM] and IgA) Anti-Human Immunodeficiency Virus Type 1 Antibodies 2F5 and 2G12. <i>Journal of Virology</i> , 2003, 77, 4095-4103.	1.5	94
135	Antibody Domain Exchange Is an Immunological Solution to Carbohydrate Cluster Recognition. <i>Science</i> , 2003, 300, 2065-2071.	6.0	736
136	Antiviral activity of the neutralizing antibodies 2F5 and 2G12 in asymptomatic HIV-1-infected humans. <i>Aids</i> , 2002, 16, 2019-2025.	1.0	86
137	Anti-idiotypic antibody Ab2/3H6 mimics the epitope of the neutralizing anti-HIV-1 monoclonal antibody 2F5. <i>Aids</i> , 2002, 16, 667-668.	1.0	24
138	Analysis of alterations in gene expression after amplification of recombinant genes in CHO cells. <i>Journal of Biotechnology</i> , 2001, 87, 59-65.	1.9	8
139	A Potent Cross-Clade Neutralizing Human Monoclonal Antibody against a Novel Epitope on gp41 of Human Immunodeficiency Virus Type 1. <i>AIDS Research and Human Retroviruses</i> , 2001, 17, 1757-1765.	0.5	470
140	Cross-Neutralizing Human Monoclonal Anti-HIV-1 Antibody 2F5: Preparation and Crystallographic Analysis of the Free and Epitope-Complexed Forms of its F ab Fragment. <i>Protein and Peptide Letters</i> , 2001, 8, 413-418.	0.4	11
141	Stable recombinant expression of the anti HIV-1 monoclonal antibody 2F5 after IgG3/IgG1 subclass switch in CHO cells. <i>Biotechnology and Bioengineering</i> , 2000, 67, 97-103.	1.7	53
142	Optimization of Sorting Conditions for the Selection of Stable, High-Producing Mammalian Cell Lines. <i>Biotechnology Progress</i> , 1999, 15, 953-957.	1.3	36
143	Analysis of changes during subclone development and ageing of human antibody-producing heterohybridoma cells by Northern blot and flow cytometry ¹ This paper was presented at the American Chemical Society Spring National Meeting in San Francisco, April 1997.1. <i>Journal of Biotechnology</i> , 1999, 67, 57-66.	1.9	38
144	Changes during subclone development and ageing of human antibody-producing recombinant CHO cells. <i>Journal of Biotechnology</i> , 1999, 69, 215-226.	1.9	63

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145	Molecular Characterization of Five Neutralizing Anti-HIV Type 1 Antibodies: Identification of Nonconventional D Segments in the Human Monoclonal Antibodies 2G12 and 2F5. <i>AIDS Research and Human Retroviruses</i> , 1998, 14, 1115-1128.	0.5	103
146	Comparison of the production of a human monoclonal antibody against HIV-1 by heterohybridoma cells and recombinant CHO cells: A flow cytometric study. <i>Cytotechnology</i> , 1996, 22, 129-138.	0.7	9
147	Biophysical Characterization of the Oligomeric States of Recombinant Immunoglobulins Type-M and Their C1q-Binding Kinetics by Biolayer Interferometry. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	3