

Paul W H I Parren

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198
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18,636
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h-index

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224
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21,047
ext. citations

10.3
avg, IF

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L-index

#	Paper	IF	Citations
198	Crystal structure of a neutralizing human IGG against HIV-1: a template for vaccine design. <i>Science</i> , 2001 , 293, 1155-9	33.3	764
197	Fc receptor but not complement binding is important in antibody protection against HIV. <i>Nature</i> , 2007 , 449, 101-4	50.4	708
196	Anti-inflammatory activity of human IgG4 antibodies by dynamic Fab arm exchange. <i>Science</i> , 2007 , 317, 1554-7	33.3	693
195	Broadly neutralizing antibodies targeted to the membrane-proximal external region of human immunodeficiency virus type 1 glycoprotein gp41. <i>Journal of Virology</i> , 2001 , 75, 10892-905	6.6	680
194	Daratumumab, a novel therapeutic human CD38 monoclonal antibody, induces killing of multiple myeloma and other hematological tumors. <i>Journal of Immunology</i> , 2011 , 186, 1840-8	5.3	649
193	Antibody protects macaques against vaginal challenge with a pathogenic R5 simian/human immunodeficiency virus at serum levels giving complete neutralization in vitro. <i>Journal of Virology</i> , 2001 , 75, 8340-7	6.6	591
192	Characterization of new human CD20 monoclonal antibodies with potent cytolytic activity against non-Hodgkin lymphomas. <i>Blood</i> , 2004 , 104, 1793-800	2.2	505
191	The biological activity of human CD20 monoclonal antibodies is linked to unique epitopes on CD20. <i>Journal of Immunology</i> , 2006 , 177, 362-71	5.3	496
190	Effective, low-titer antibody protection against low-dose repeated mucosal SHIV challenge in macaques. <i>Nature Medicine</i> , 2009 , 15, 951-4	50.5	449
189	Complement is activated by IgG hexamers assembled at the cell surface. <i>Science</i> , 2014 , 343, 1260-3	33.3	424
188	Bispecific antibodies: a mechanistic review of the pipeline. <i>Nature Reviews Drug Discovery</i> , 2019 , 18, 585-608	6.6	395
187	Antibody-mediated phagocytosis contributes to the anti-tumor activity of the therapeutic antibody daratumumab in lymphoma and multiple myeloma. <i>MABs</i> , 2015 , 7, 311-21	6.6	315
186	Passive immunization with a human monoclonal antibody protects hu-PBL-SCID mice against challenge by primary isolates of HIV-1. <i>Nature Medicine</i> , 1997 , 3, 1389-93	50.5	246
185	Ebola virus can be effectively neutralized by antibody produced in natural human infection. <i>Journal of Virology</i> , 1999 , 73, 6024-30	6.6	234
184	Therapeutic IgG4 antibodies engage in Fab-arm exchange with endogenous human IgG4 in vivo. <i>Nature Biotechnology</i> , 2009 , 27, 767-71	44.5	228
183	Fine mapping of the interaction of neutralizing and nonneutralizing monoclonal antibodies with the CD4 binding site of human immunodeficiency virus type 1 gp120. <i>Journal of Virology</i> , 2003 , 77, 642-58	6.6	225
182	gp120: Biologic aspects of structural features. <i>Annual Review of Immunology</i> , 2001 , 19, 253-74	34.7	215

181	Contrasting IgG structures reveal extreme asymmetry and flexibility. <i>Journal of Molecular Biology</i> , 2002 , 319, 9-18	6.5	209
180	Effector function activities of a panel of mutants of a broadly neutralizing antibody against human immunodeficiency virus type 1. <i>Journal of Virology</i> , 2001 , 75, 12161-8	6.6	204
179	The antiviral activity of antibodies in vitro and in vivo. <i>Advances in Immunology</i> , 2001 , 77, 195-262	5.6	203
178	Efficient generation of stable bispecific IgG1 by controlled Fab-arm exchange. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 5145-50	11.5	202
177	Binding of submaximal C1q promotes complement-dependent cytotoxicity (CDC) of B cells opsonized with anti-CD20 mAbs ofatumumab (OFA) or rituximab (RTX): considerably higher levels of CDC are induced by OFA than by RTX. <i>Journal of Immunology</i> , 2009 , 183, 749-58	5.3	200
176	Neutralizing antibodies have limited effects on the control of established HIV-1 infection in vivo. <i>Immunity</i> , 1999 , 10, 431-8	32.3	198
175	Monoclonal antibodies targeting CD38 in hematological malignancies and beyond. <i>Immunological Reviews</i> , 2016 , 270, 95-112	11.3	197
174	Broadly cross-reactive HIV-1-neutralizing human monoclonal Fab selected for binding to gp120-CD4-CCR5 complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 6913-8	11.5	190
173	Neutralizing antibody fails to impact the course of Ebola virus infection in monkeys. <i>PLoS Pathogens</i> , 2007 , 3, e9	7.6	187
172	Human IgG2 antibodies against epidermal growth factor receptor effectively trigger antibody-dependent cellular cytotoxicity but, in contrast to IgG1, only by cells of myeloid lineage. <i>Journal of Immunology</i> , 2010 , 184, 512-20	5.3	183
171	Towards effective immunotherapy of myeloma: enhanced elimination of myeloma cells by combination of lenalidomide with the human CD38 monoclonal antibody daratumumab. <i>Haematologica</i> , 2011 , 96, 284-90	6.6	172
170	In vitro characterization of five humanized OKT3 effector function variant antibodies. <i>Cellular Immunology</i> , 2000 , 200, 16-26	4.4	171
169	Pre- and postexposure prophylaxis of Ebola virus infection in an animal model by passive transfer of a neutralizing human antibody. <i>Journal of Virology</i> , 2002 , 76, 6408-12	6.6	170
168	The Therapeutic CD38 Monoclonal Antibody Daratumumab Induces Programmed Cell Death via Fc γ Receptor-Mediated Cross-Linking. <i>Journal of Immunology</i> , 2016 , 197, 807-13	5.3	169
167	Antibody fucosylation differentially impacts cytotoxicity mediated by NK and PMN effector cells. <i>Blood</i> , 2008 , 112, 2390-9	2.2	169
166	Neutralization of human immunodeficiency virus type 1 by antibody to gp120 is determined primarily by occupancy of sites on the virion irrespective of epitope specificity. <i>Journal of Virology</i> , 1998 , 72, 3512-9	6.6	168
165	Heterogeneity of envelope molecules expressed on primary human immunodeficiency virus type 1 particles as probed by the binding of neutralizing and nonneutralizing antibodies. <i>Journal of Virology</i> , 2003 , 77, 353-65	6.6	165
164	Crosstalk between human IgG isotypes and murine effector cells. <i>Journal of Immunology</i> , 2012 , 189, 3436-8	6.9	147

163	Oligomeric and conformational properties of a proteolytically mature, disulfide-stabilized human immunodeficiency virus type 1 gp140 envelope glycoprotein. <i>Journal of Virology</i> , 2002 , 76, 7760-76	6.6	146
162	Neutralization synergy of human immunodeficiency virus type 1 primary isolates by cocktails of broadly neutralizing antibodies. <i>Journal of Virology</i> , 2001 , 75, 12198-208	6.6	141
161	HIV-1 antibody--debris or virion?. <i>Nature Medicine</i> , 1997 , 3, 366-7	50.5	137
160	Resolution of psoriasis upon blockade of IL-15 biological activity in a xenograft mouse model. <i>Journal of Clinical Investigation</i> , 2003 , 112, 1571-1580	15.9	131
159	Complement-dependent tumor cell lysis triggered by combinations of epidermal growth factor receptor antibodies. <i>Cancer Research</i> , 2008 , 68, 4998-5003	10.1	129
158	Dual mode of action of a human anti-epidermal growth factor receptor monoclonal antibody for cancer therapy. <i>Journal of Immunology</i> , 2004 , 173, 4699-707	5.3	129
157	IL-8 as antibody therapeutic target in inflammatory diseases: reduction of clinical activity in palmoplantar pustulosis. <i>Journal of Immunology</i> , 2008 , 181, 669-79	5.3	121
156	Determinants of human immunodeficiency virus type 1 envelope glycoprotein activation by soluble CD4 and monoclonal antibodies. <i>Journal of Virology</i> , 1998 , 72, 6332-8	6.6	119
155	Cooperative targeting of melanoma heterogeneity with an AXL antibody-drug conjugate and BRAF/MEK inhibitors. <i>Nature Medicine</i> , 2018 , 24, 203-212	50.5	118
154	Ibrutinib interferes with the cell-mediated anti-tumor activities of therapeutic CD20 antibodies: implications for combination therapy. <i>Haematologica</i> , 2015 , 100, 77-86	6.6	115
153	Protection against HIV-1 infection in hu-PBL-SCID mice by passive immunization with a neutralizing human monoclonal antibody against the gp120 CD4-binding site. <i>Aids</i> , 1995 , 9, F1-6	3.5	115
152	In vivo cytotoxicity of type I CD20 antibodies critically depends on Fc receptor ITAM signaling. <i>Cancer Research</i> , 2010 , 70, 3209-17	10.1	112
151	Direct in Vitro Comparison of Daratumumab with Surrogate Analogs of CD38 Antibodies MOR03087, SAR650984 and Ab79. <i>Blood</i> , 2014 , 124, 3474-3474	2.2	111
150	Effect of target dynamics on pharmacokinetics of a novel therapeutic antibody against the epidermal growth factor receptor: implications for the mechanisms of action. <i>Cancer Research</i> , 2006 , 66, 7630-8	10.1	110
149	Inhibition of virus attachment to CD4+ target cells is a major mechanism of T cell line-adapted HIV-1 neutralization. <i>Journal of Experimental Medicine</i> , 1997 , 186, 1287-98	16.6	108
148	Preclinical Evidence for the Therapeutic Potential of CD38-Targeted Immuno-Chemotherapy in Multiple Myeloma Patients Refractory to Lenalidomide and Bortezomib. <i>Clinical Cancer Research</i> , 2015 , 21, 2802-10	12.9	107
147	A Novel Bispecific Antibody Targeting EGFR and cMet Is Effective against EGFR Inhibitor-Resistant Lung Tumors. <i>Cancer Research</i> , 2016 , 76, 3942-53	10.1	107
146	Complement activation on B lymphocytes opsonized with rituximab or ofatumumab produces substantial changes in membrane structure preceding cell lysis. <i>Journal of Immunology</i> , 2008 , 181, 822-32	5.3	105

145	Assorted mutations in the envelope gene of simian immunodeficiency virus lead to loss of neutralization resistance against antibodies representing a broad spectrum of specificities. <i>Journal of Virology</i> , 2003 , 77, 9993-10003	6.6	104
144	An antibody-drug conjugate that targets tissue factor exhibits potent therapeutic activity against a broad range of solid tumors. <i>Cancer Research</i> , 2014 , 74, 1214-26	10.1	103
143	The IgG Fc contains distinct Fc receptor (FcR) binding sites: the leukocyte receptors Fc gamma RI and Fc gamma RIIa bind to a region in the Fc distinct from that recognized by neonatal FcR and protein A. <i>Journal of Immunology</i> , 2000 , 164, 5313-8	5.3	103
142	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, 3155-61	6.6	102
141	Genetic subtypes, humoral immunity, and human immunodeficiency virus type 1 vaccine development. <i>Journal of Virology</i> , 2001 , 75, 5721-9	6.6	102
140	When blood transfusion medicine becomes complicated due to interference by monoclonal antibody therapy. <i>Transfusion</i> , 2015 , 55, 1555-62	2.9	101
139	A Novel Platform for the Potentiation of Therapeutic Antibodies Based on Antigen-Dependent Formation of IgG Hexamers at the Cell Surface. <i>PLoS Biology</i> , 2016 , 14, e1002344	9.7	100
138	Pre-clinical evaluation of CD38 chimeric antigen receptor engineered T cells for the treatment of multiple myeloma. <i>Haematologica</i> , 2016 , 101, 616-25	6.6	100
137	Species-specific determinants in the IgG CH3 domain enable Fab-arm exchange by affecting the noncovalent CH3-CH3 interaction strength. <i>Journal of Immunology</i> , 2011 , 187, 3238-46	5.3	97
136	A nonfucosylated variant of the anti-HIV-1 monoclonal antibody b12 has enhanced FcRIIIa-mediated antiviral activity in vitro but does not improve protection against mucosal SHIV challenge in macaques. <i>Journal of Virology</i> , 2012 , 86, 6189-96	6.6	96
135	Statins impair antitumor effects of rituximab by inducing conformational changes of CD20. <i>PLoS Medicine</i> , 2008 , 5, e64	11.6	96
134	Reconstructing the human hematopoietic niche in immunodeficient mice: opportunities for studying primary multiple myeloma. <i>Blood</i> , 2012 , 120, e9-e16	2.2	92
133	Anti-galactose-Fc,3-galactose IgE from allergic patients does not bind Fc-galactosylated glycans on intact therapeutic antibody Fc domains. <i>Nature Biotechnology</i> , 2011 , 29, 574-6	44.5	92
132	Molecular Basis of Assembly and Activation of Complement Component C1 in Complex with Immunoglobulin G1 and Antigen. <i>Molecular Cell</i> , 2016 , 63, 135-45	17.6	91
131	Exhaustion of cytotoxic effector systems may limit monoclonal antibody-based immunotherapy in cancer patients. <i>Journal of Immunology</i> , 2012 , 188, 3532-41	5.3	90
130	Molecular features of the broadly neutralizing immunoglobulin G1 b12 required for recognition of human immunodeficiency virus type 1 gp120. <i>Journal of Virology</i> , 2003 , 77, 5863-76	6.6	90
129	Complement in therapy and disease: Regulating the complement system with antibody-based therapeutics. <i>Molecular Immunology</i> , 2015 , 67, 117-30	4.3	88
128	Loss of CD20 and bound CD20 antibody from opsonized B cells occurs more rapidly because of trogocytosis mediated by Fc receptor-expressing effector cells than direct internalization by the B cells. <i>Journal of Immunology</i> , 2011 , 187, 3438-47	5.3	86

127	Identification and characterization of a peptide that specifically binds the human, broadly neutralizing anti-human immunodeficiency virus type 1 antibody b12. <i>Journal of Virology</i> , 2001 , 75, 6692-9	6.6	83
126	Daratumumab-mediated lysis of primary multiple myeloma cells is enhanced in combination with the human anti-KIR antibody IPH2102 and lenalidomide. <i>Haematologica</i> , 2015 , 100, 263-8	6.6	82
125	IgA EGFR antibodies mediate tumour killing in vivo. <i>EMBO Molecular Medicine</i> , 2013 , 5, 1213-26	12	81
124	Absence of specific mucosal antibody responses in HIV-exposed uninfected sex workers from the Gambia. <i>Aids</i> , 2000 , 14, 1117-22	3.5	80
123	Antibody and virus: binding and neutralization. <i>Virology</i> , 2000 , 270, 1-3	3.6	80
122	Structures of C1-IgG1 provide insights into how danger pattern recognition activates complement. <i>Science</i> , 2018 , 359, 794-797	33.3	78
121	Estimation of dose requirements for sustained in vivo activity of a therapeutic human anti-CD20 antibody. <i>British Journal of Haematology</i> , 2008 , 140, 303-12	4.5	77
120	Quantitative analysis of the interaction strength and dynamics of human IgG4 half molecules by native mass spectrometry. <i>Structure</i> , 2011 , 19, 1274-82	5.2	75
119	Neutralizing monoclonal antibodies block human immunodeficiency virus type 1 infection of dendritic cells and transmission to T cells. <i>Journal of Virology</i> , 1998 , 72, 9788-94	6.6	75
118	ADCT-301, a Pyrrolobenzodiazepine (PBD) Dimer-Containing Antibody-Drug Conjugate (ADC) Targeting CD25-Expressing Hematological Malignancies. <i>Molecular Cancer Therapeutics</i> , 2016 , 15, 2709-2721	6.1	73
117	N-linked glycosylation is an important parameter for optimal selection of cell lines producing biopharmaceutical human IgG. <i>Biotechnology Progress</i> , 2009 , 25, 244-51	2.8	72
116	Tandem Native Mass-Spectrometry on Antibody-Drug Conjugates and Submillion Da Antibody-Antigen Protein Assemblies on an Orbitrap EMR Equipped with a High-Mass Quadrupole Mass Selector. <i>Analytical Chemistry</i> , 2015 , 87, 6095-102	7.8	70
115	Immunogenicity screening in protein drug development. <i>Expert Opinion on Biological Therapy</i> , 2007 , 7, 405-18	5.4	70
114	Human antibody responses to HIV type 1 glycoprotein 41 cloned in phage display libraries suggest three major epitopes are recognized and give evidence for conserved antibody motifs in antigen binding. <i>AIDS Research and Human Retroviruses</i> , 1996 , 12, 911-24	1.6	70
113	Controlled Fab-arm exchange for the generation of stable bispecific IgG1. <i>Nature Protocols</i> , 2014 , 9, 2450-53	10.8	68
112	In-depth qualitative and quantitative analysis of composite glycosylation profiles and other micro-heterogeneity on intact monoclonal antibodies by high-resolution native mass spectrometry using a modified Orbitrap. <i>MAbs</i> , 2013 , 5, 917-24	6.6	67
111	A novel human antibody against human immunodeficiency virus type 1 gp120 is V1, V2, and V3 loop dependent and helps delimit the epitope of the broadly neutralizing antibody immunoglobulin G1 b12. <i>Journal of Virology</i> , 2003 , 77, 6965-78	6.6	66
110	Structure of a high-affinity "mimotope" peptide bound to HIV-1-neutralizing antibody b12 explains its inability to elicit gp120 cross-reactive antibodies. <i>Journal of Molecular Biology</i> , 2007 , 369, 696-709	6.5	63

109	Antibody neutralization-resistant primary isolates of human immunodeficiency virus type 1. <i>Journal of Virology</i> , 1998 , 72, 10270-4	6.6	63
108	The in vivo mechanism of action of CD20 monoclonal antibodies depends on local tumor burden. <i>Haematologica</i> , 2011 , 96, 1822-30	6.6	59
107	Vaccines and the induction of functional antibodies: time to look beyond the molecules of natural infection?. <i>Nature Medicine</i> , 2000 , 6, 123-5	50.5	56
106	Mutation of Y407 in the CH3 domain dramatically alters glycosylation and structure of human IgG. <i>MAbs</i> , 2013 , 5, 219-28	6.6	54
105	Efficient Payload Delivery by a Bispecific Antibody-Drug Conjugate Targeting HER2 and CD63. <i>Molecular Cancer Therapeutics</i> , 2016 , 15, 2688-2697	6.1	53
104	Mapping the protein surface of human immunodeficiency virus type 1 gp120 using human monoclonal antibodies from phage display libraries. <i>Journal of Molecular Biology</i> , 1997 , 267, 684-95	6.5	51
103	Relevance of the antibody response against human immunodeficiency virus type 1 envelope to vaccine design. <i>Immunology Letters</i> , 1997 , 57, 105-12	4.1	51
102	Functional characterization of a novel anti-B7 monoclonal antibody. <i>European Journal of Immunology</i> , 1992 , 22, 3071-5	6.1	51
101	Late B cell depletion with a human anti-human CD20 IgG1 monoclonal antibody halts the development of experimental autoimmune encephalomyelitis in marmosets. <i>Journal of Immunology</i> , 2010 , 185, 3990-4003	5.3	49
100	A human CD4 monoclonal antibody for the treatment of T-cell lymphoma combines inhibition of T-cell signaling by a dual mechanism with potent Fc-dependent effector activity. <i>Cancer Research</i> , 2007 , 67, 9945-53	10.1	49
99	Interaction of a human Fc gamma RIIb1 (CD32) isoform with murine and human IgG subclasses. <i>International Immunology</i> , 1993 , 5, 239-47	4.9	48
98	The antibody zalutumumab inhibits epidermal growth factor receptor signaling by limiting intra- and intermolecular flexibility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 6109-14	11.5	47
97	Human IgG is produced in a pro-form that requires clipping of C-terminal lysines for maximal complement activation. <i>MAbs</i> , 2015 , 7, 672-80	6.6	43
96	High turnover of tissue factor enables efficient intracellular delivery of antibody-drug conjugates. <i>Molecular Cancer Therapeutics</i> , 2015 , 14, 1130-40	6.1	41
95	Mimicking an induced self phenotype by coating lymphomas with the Nkp30 ligand B7-H6 promotes NK cell cytotoxicity. <i>Journal of Immunology</i> , 2012 , 189, 5037-46	5.3	41
94	Production of stable bispecific IgG1 by controlled Fab-arm exchange: scalability from bench to large-scale manufacturing by application of standard approaches. <i>MAbs</i> , 2013 , 5, 962-73	6.6	40
93	Neutralizing antibody affords comparable protection against vaginal and rectal simian/human immunodeficiency virus challenge in macaques. <i>Aids</i> , 2016 , 30, 1543-51	3.5	40
92	Antibodies That Efficiently Form Hexamers upon Antigen Binding Can Induce Complement-Dependent Cytotoxicity under Complement-Limiting Conditions. <i>Journal of Immunology</i> , 2016 , 197, 1762-75	5.3	40

91	Rapid production of recombinant human IgG With improved ADCC effector function in a transient expression system. <i>Biotechnology and Bioengineering</i> , 2010 , 105, 350-7	4.9	39
90	The INNs and outs of antibody nonproprietary names. <i>MAbs</i> , 2016 , 8, 1-9	6.6	38
89	Combined Fc-protein- and Fc-glyco-engineering of scFv-Fc fusion proteins synergistically enhances CD16a binding but does not further enhance NK-cell mediated ADCC. <i>Journal of Immunological Methods</i> , 2011 , 373, 67-78	2.5	38
88	Epidermal growth factor receptor (EGFR) antibody-induced antibody-dependent cellular cytotoxicity plays a prominent role in inhibiting tumorigenesis, even of tumor cells insensitive to EGFR signaling inhibition. <i>Journal of Immunology</i> , 2011 , 187, 3383-90	5.3	38
87	Novel human antibody therapeutics: the age of the Umabs. <i>Biotechnology Journal</i> , 2008 , 3, 1157-71	5.6	38
86	Human recombinant antimannan immunoglobulin G1 antibody confers resistance to hematogenously disseminated candidiasis in mice. <i>Infection and Immunity</i> , 2006 , 74, 362-9	3.7	37
85	Crystallization and preliminary structure determination of an intact human immunoglobulin, b12: an antibody that broadly neutralizes primary isolates of HIV-1. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001 , 57, 168-71		37
84	Unraveling the Macromolecular Pathways of IgG Oligomerization and Complement Activation on Antigenic Surfaces. <i>Nano Letters</i> , 2019 , 19, 4787-4796	11.5	35
83	Simian immunodeficiency virus (SIV) envelope-specific Fabs with high-level homologous neutralizing activity: recovery from a long-term-nonprogressor SIV-infected macaque. <i>Journal of Virology</i> , 1998 , 72, 585-92	6.6	34
82	Crystal structure of an intact human IgG: antibody asymmetry, flexibility, and a guide for HIV-1 vaccine design. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 535, 55-66	3.6	32
81	Differences in responsiveness to CD3 stimulation between naive and memory CD4+ T cells cannot be overcome by CD28 costimulation. <i>European Journal of Immunology</i> , 1994 , 24, 1956-60	6.1	31
80	Penetration of antibody-opsionized cells by the membrane attack complex of complement promotes Ca(2+) influx and induces streamers. <i>European Journal of Immunology</i> , 2011 , 41, 2436-46	6.1	30
79	Fc-Fc interactions of human IgG4 require dissociation of heavy chains and are formed predominantly by the intra-chain hinge isomer. <i>Molecular Immunology</i> , 2013 , 53, 35-42	4.3	29
78	DuoBody-CD3xCD20 induces potent T-cell-mediated killing of malignant B cells in preclinical models and provides opportunities for subcutaneous dosing. <i>EBioMedicine</i> , 2020 , 52, 102625	8.8	28
77	The Human CD38 Monoclonal Antibody Daratumumab Shows Antitumor Activity and Hampers Leukemia-Microenvironment Interactions in Chronic Lymphocytic Leukemia. <i>Clinical Cancer Research</i> , 2017 , 23, 1493-1505	12.9	28
76	Online nanoliquid chromatography-mass spectrometry and nanofluorescence detection for high-resolution quantitative N-glycan analysis. <i>Analytical Biochemistry</i> , 2012 , 423, 153-62	3.1	28
75	Therapeutic antibody gene transfer: an active approach to passive immunity. <i>Molecular Therapy</i> , 2004 , 10, 411-6	11.7	27
74	Enapotamab vedotin, an AXL-specific antibody-drug conjugate, shows preclinical antitumor activity in non-small cell lung cancer. <i>JCI Insight</i> , 2019 , 4,	9.9	27

73	CD20 and CD37 antibodies synergize to activate complement by Fc-mediated clustering. <i>Haematologica</i> , 2019 , 104, 1841-1852	6.6	26
72	High-Throughput Screening for Internalizing Antibodies by Homogeneous Fluorescence Imaging of a pH-Activated Probe. <i>Journal of Biomolecular Screening</i> , 2016 , 21, 12-23		26
71	Efficient Generation of Bispecific Murine Antibodies for Pre-Clinical Investigations in Syngeneic Rodent Models. <i>Scientific Reports</i> , 2017 , 7, 2476	4.9	26
70	Ebola Virus, Neutrophils, and Antibody Specificity 1998 , 282, 843a-843		26
69	Polymorphism of the human Fc gamma receptor II (CD32): molecular basis and functional aspects. <i>Immunobiology</i> , 1992 , 185, 175-82	3.4	26
68	Changes to International Nonproprietary Names for antibody therapeutics 2017 and beyond: of mice, men and more. <i>MAbs</i> , 2017 , 9, 898-906	6.6	25
67	HuMab-7D8, a monoclonal antibody directed against the membrane-proximal small loop epitope of CD20 can effectively eliminate CD20 low expressing tumor cells that resist rituximab-mediated lysis. <i>Haematologica</i> , 2010 , 95, 2063-71	6.6	24
66	Type I CD20 Antibodies Recruit the B Cell Receptor for Complement-Dependent Lysis of Malignant B Cells. <i>Journal of Immunology</i> , 2016 , 197, 4829-4837	5.3	23
65	A novel label-free cell-based assay technology using biolayer interferometry. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 388-395	11.8	23
64	Erratum to "Relevance of the antibody response against human immunodeficiency virus type 1 envelope to vaccine design". <i>Immunology Letters</i> , 1997 , 58, 125-32	4.1	23
63	Discovery of amivantamab (JNJ-61186372), a bispecific antibody targeting EGFR and MET. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100641	5.4	23
62	Enhancing Accuracy in Molecular Weight Determination of Highly Heterogeneously Glycosylated Proteins by Native Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 4793-4797	7.8	22
61	Real-time analysis of the detailed sequence of cellular events in mAb-mediated complement-dependent cytotoxicity of B-cell lines and of chronic lymphocytic leukemia B-cells. <i>Molecular Immunology</i> , 2016 , 70, 13-23	4.3	22
60	Complement-mediated tumor-specific cell lysis by antibody combinations targeting epidermal growth factor receptor (EGFR) and its variant III (EGFRvIII). <i>Cancer Science</i> , 2011 , 102, 1761-8	6.9	22
59	Antibodies against HIV-1 from phage display libraries: mapping of an immune response and progress towards antiviral immunotherapy. <i>Chemical Immunology and Allergy</i> , 1997 , 65, 18-56		22
58	Neutralization of IL-8 prevents the induction of dermatologic adverse events associated with the inhibition of epidermal growth factor receptor. <i>PLoS ONE</i> , 2012 , 7, e39706	3.7	21
57	Tumor cell killing mechanisms of epidermal growth factor receptor (EGFR) antibodies are not affected by lung cancer-associated EGFR kinase mutations. <i>Journal of Immunology</i> , 2008 , 180, 4338-45	5.3	20
56	Enhancing natural killer cell-mediated lysis of lymphoma cells by combining therapeutic antibodies with CD20-specific immunoligands engaging NKG2D or NKp30. <i>Oncolimmunology</i> , 2016 , 5, e1058459	7.2	18

55	Treatment of myasthenia gravis by preventing acetylcholine receptor modulation. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1132, 174-9	6.5	18
54	HER2 monoclonal antibodies that do not interfere with receptor heterodimerization-mediated signaling induce effective internalization and represent valuable components for rational antibody-drug conjugate design. <i>MABs</i> , 2014 , 6, 392-402	6.6	17
53	Antibody C region influences TGN1412-like functional activity in vitro. <i>Journal of Immunology</i> , 2012 , 189, 5831-40	5.3	16
52	Weak Fragment Crystallizable (Fc) Domain Interactions Drive the Dynamic Assembly of IgG Oligomers upon Antigen Recognition. <i>ACS Nano</i> , 2020 , 14, 2739-2750	16.7	16
51	Oncogenic KRAS impairs EGFR antibodies efficiency by C/EBP β dependent suppression of EGFR expression. <i>Neoplasia</i> , 2012 , 14, 190-205	6.4	15
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