James E Crowe Jr

List of Publications by Year
in descending order

437 papers	28,497 citations	5248 83 h-index	10708 138 g-index
488 all docs	488 docs citations	488 times ranked	26901 citing authors

#	Article	IF	Citations
1	Potently neutralizing and protective human antibodies against SARS-CoV-2. Nature, 2020, 584, 443-449.	13.7	956
2	Complete Mapping of Mutations to the SARS-CoV-2 Spike Receptor-Binding Domain that Escape Antibody Recognition. Cell Host and Microbe, 2021, 29, 44-57.e9.	5.1	937
3	Human Metapneumovirus and Lower Respiratory Tract Disease in Otherwise Healthy Infants and Children. New England Journal of Medicine, 2004, 350, 443-450.	13.9	850
4	Resistance of SARS-CoV-2 variants to neutralization by monoclonal and serum-derived polyclonal antibodies. Nature Medicine, 2021, 27, 717-726.	15.2	838
5	An infectious SARS-CoV-2 B.1.1.529 Omicron virus escapes neutralization by therapeutic monoclonal antibodies. Nature Medicine, 2022, 28, 490-495.	15.2	577
6	Extrafollicular B cell responses correlate with neutralizing antibodies and morbidity in COVID-19. Nature Immunology, 2020, 21, 1506-1516.	7.0	563
7	Structural Basis of Preexisting Immunity to the 2009 H1N1 Pandemic Influenza Virus. Science, 2010, 328, 357-360.	6.0	521
8	Proof of principle for epitope-focused vaccine design. Nature, 2014, 507, 201-206.	13.7	451
9	Rapid isolation and profiling of a diverse panel of human monoclonal antibodies targeting the SARS-CoV-2 spike protein. Nature Medicine, 2020, 26, 1422-1427.	15.2	450
10	Neutralizing antibodies derived from the B cells of 1918 influenza pandemic survivors. Nature, 2008, 455, 532-536.	13.7	379
11	Identification of human neutralizing antibodies that bind to complex epitopes on dengue virions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7439-7444.	3.3	350
12	Neutralizing human antibodies prevent Zika virus replication and fetal disease in mice. Nature, 2016, 540, 443-447.	13.7	349
13	Neutralizing and protective human monoclonal antibodies recognizing the N-terminal domain of the SARS-CoV-2 spike protein. Cell, 2021, 184, 2316-2331.e15.	13.5	321
14	Human neutralizing antibodies against SARS-CoV-2 require intact Fc effector functions for optimal therapeutic protection. Cell, 2021, 184, 1804-1820.e16.	13.5	297
15	Evaluation of a Live, Coldâ€Passaged, Temperatureâ€Sensitive, Respiratory Syncytial Virus Vaccine Candidate in Infancy. Journal of Infectious Diseases, 2000, 182, 1331-1342.	1.9	292
16	High frequency of shared clonotypes in human B cell receptor repertoires. Nature, 2019, 566, 398-402.	13.7	262
17	Mxra8 is a receptor for multiple arthritogenic alphaviruses. Nature, 2018, 557, 570-574.	13.7	254
18	Severe pandemic 2009 H1N1 influenza disease due to pathogenic immune complexes. Nature Medicine, 2011, 17, 195-199.	15.2	242

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19	Genetic and structural basis for SARS-CoV-2 variant neutralization by a two-antibody cocktail. Nature Microbiology, 2021, 6, 1233-1244.	5.9	237
20	The Role of Human Metapneumovirus in Upper Respiratory Tract Infections in Children: A 20â€Year Experience. Journal of Infectious Diseases, 2006, 193, 387-395.	1.9	230
21	In vivo monoclonal antibody efficacy against SARS-CoV-2 variant strains. Nature, 2021, 596, 103-108.	13.7	222
22	Towards a consensus on datasets and evaluation metrics for developing B-cell epitope prediction tools. Journal of Molecular Recognition, 2007, 20, 75-82.	1.1	209
23	Cryo-EM structure of an antibody that neutralizes dengue virus type 2 by locking E protein dimers. Science, 2015, 349, 88-91.	6.0	208
24	Prospective Study of the Incidence, Clinical Features, and Outcome of Symptomatic Upper and Lower Respiratory Tract Infections by Respiratory Viruses in Adult Recipients of Hematopoietic Stem Cell Transplants for Hematologic Malignancies. Biology of Blood and Marrow Transplantation, 2005, 11, 781-796.	2.0	200
25	Evaluation of Two Live, Coldâ€Passaged, Temperatureâ€Sensitive Respiratory Syncytial Virus Vaccines in Chimpanzees and in Human Adults, Infants, and Children. Journal of Infectious Diseases, 1997, 176, 1428-1436.	1.9	197
26	A Broadly Neutralizing Human Monoclonal Antibody That Recognizes a Conserved, Novel Epitope on the Globular Head of the Influenza H1N1 Virus Hemagglutinin. Journal of Virology, 2011, 85, 10905-10908.	1.5	182
27	A Role for Fc Function in Therapeutic Monoclonal Antibody-Mediated Protection against Ebola Virus. Cell Host and Microbe, 2018, 24, 221-233.e5.	5.1	182
28	A highly potent human antibody neutralizes dengue virus serotype 3 by binding across three surface proteins. Nature Communications, 2015, 6, 6341.	5.8	181
29	A Site of Vulnerability on the Influenza Virus Hemagglutinin Head Domain Trimer Interface. Cell, 2019, 177, 1136-1152.e18.	13.5	177
30	Systematic Analysis of Monoclonal Antibodies against Ebola Virus GP Defines Features that Contribute to Protection. Cell, 2018, 174, 938-952.e13.	13.5	173
31	Human monoclonal Fab fragments derived from a combinatorial library bind to respiratory syncytial virus F glycoprotein and neutralize infectivity.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 10164-10168.	3.3	171
32	Cross-Reactive and Potent Neutralizing Antibody Responses in Human Survivors of Natural Ebolavirus Infection. Cell, 2016, 164, 392-405.	13.5	160
33	A Prospective Study Comparing Human Metapneumovirus with Other Respiratory Viruses in Adults with Hematologic Malignancies and Respiratory Tract Infections. Journal of Infectious Diseases, 2005, 192, 1061-1065.	1.9	157
34	Broadly Neutralizing Alphavirus Antibodies Bind an Epitope on E2 and Inhibit Entry and Egress. Cell, 2015, 163, 1095-1107.	13.5	157
35	A potent antiâ€dengue human antibody preferentially recognizes the conformation of <scp>E</scp> protein monomers assembled on the virus surface. EMBO Molecular Medicine, 2014, 6, 358-371.	3.3	154
36	Human Metapneumovirus Infection Plays an Etiologic Role in Acute Asthma Exacerbations Requiring Hospitalization in Adults. Journal of Infectious Diseases, 2005, 192, 1149-1153.	1.9	151

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37	An update on approaches to the development of respiratory syncytial virus (RSV) and parainfluenza virus type 3 (PIV3) vaccines. Virus Research, 1994, 32, 13-36.	1.1	148
38	Prior Dengue Virus Exposure Shapes T Cell Immunity to Zika Virus in Humans. Journal of Virology, 2017, 91, .	1.5	148
39	A lipid-encapsulated mRNA encoding a potently neutralizing human monoclonal antibody protects against chikungunya infection. Science Immunology, 2019, 4, .	5.6	147
40	A Chimeric A2 Strain of Respiratory Syncytial Virus (RSV) with the Fusion Protein of RSV Strain Line 19 Exhibits Enhanced Viral Load, Mucus, and Airway Dysfunction. Journal of Virology, 2009, 83, 4185-4194.	1.5	144
41	Respiratory Syncytial Virus Induces Host RNA Stress Granules To Facilitate Viral Replication. Journal of Virology, 2010, 84, 12274-12284.	1.5	144
42	Dengue Viruses Are Enhanced by Distinct Populations of Serotype Cross-Reactive Antibodies in Human Immune Sera. PLoS Pathogens, 2014, 10, e1004386.	2.1	144
43	The Potent and Broadly Neutralizing Human Dengue Virus-Specific Monoclonal Antibody 1C19 Reveals a Unique Cross-Reactive Epitope on the bc Loop of Domain II of the Envelope Protein. MBio, 2013, 4, e00873-13.	1.8	143
44	The SARS-CoV-2 monoclonal antibody combination, AZD7442, is protective in nonhuman primates and has an extended half-life in humans. Science Translational Medicine, 2022, 14, eabl8124.	5.8	143
45	A recurring motif for antibody recognition of the receptor-binding site of influenza hemagglutinin. Nature Structural and Molecular Biology, 2013, 20, 363-370.	3.6	141
46	Cross-Neutralizing and Protective Human Antibody Specificities to Poxvirus Infections. Cell, 2016, 167, 684-694.e9.	13.5	141
47	Antibody Recognition of the Pandemic H1N1 Influenza Virus Hemagglutinin Receptor Binding Site. Journal of Virology, 2013, 87, 12471-12480.	1.5	139
48	Specificity for Human Hemoglobin Enhances Staphylococcus aureus Infection. Cell Host and Microbe, 2010, 8, 544-550.	5.1	136
49	Persistence of Circulating Memory B Cell Clones with Potential for Dengue Virus Disease Enhancement for Decades following Infection. Journal of Virology, 2012, 86, 2665-2675.	1.5	136
50	Human Respiratory Syncytial Virus Nucleoprotein and Inclusion Bodies Antagonize the Innate Immune Response Mediated by MDA5 and MAVS. Journal of Virology, 2012, 86, 8245-8258.	1.5	136
51	Respiratory syncytial virus uses a Vps4-independent budding mechanism controlled by Rab11-FIP2. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10209-10214.	3.3	132
52	An optimized electrofusion-based protocol for generating virus-specific human monoclonal antibodies. Journal of Immunological Methods, 2008, 336, 142-151.	0.6	130
53	Mechanism of Human Antibody-Mediated Neutralization of Marburg Virus. Cell, 2015, 160, 893-903.	13.5	130
54	Single moleculeâ€“sensitive probes for imaging RNA in live cells. Nature Methods, 2009, 6, 347-349.	9.0	129

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55	Broadly neutralizing antibodies with few somatic mutations and hepatitis C virus clearance. JCI Insight, 2017, 2, .	2.3	129
56	Recombinant human respiratory syncytial virus (RSV) monoclonal antibody Fab is effective therapeutically when introduced directly into the lungs of RSV-infected mice.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 1386-1390.	3.3	127
57	Effect of Zinc Salts on Respiratory Syncytial Virus Replication. Antimicrobial Agents and Chemotherapy, 2004, 48, 783-790.	1.4	122
58	A human antibody against Zika virus crosslinks the E protein to prevent infection. Nature Communications, 2017, 8, 14722.	5.8	122
59	A stabilized respiratory syncytial virus reverse genetics system amenable to recombination-mediated mutagenesis. Virology, 2012, 434, 129-136.	1.1	120
60	Isolation and Characterization of Broad and Ultrapotent Human Monoclonal Antibodies with Therapeutic Activity against Chikungunya Virus. Cell Host and Microbe, 2015, 18, 86-95.	5.1	116
61	Prevalence of Reovirusâ€Specific Antibodies in Young Children in Nashville, Tennessee. Journal of Infectious Diseases, 2005, 191, 1221-1224.	1.9	114
62	Human Peripheral Blood Antibodies with Long HCDR3s Are Established Primarily at Original Recombination Using a Limited Subset of Germline Genes. PLoS ONE, 2012, 7, e36750.	1.1	113
63	The Cotton Rat (Sigmodon hispidus) Is a Permissive Small Animal Model of Human Metapneumovirus Infection, Pathogenesis, and Protective Immunity. Journal of Virology, 2005, 79, 10944-10951.	1.5	111
64	Structural Basis for Marburg Virus Neutralization by a Cross-Reactive Human Antibody. Cell, 2015, 160, 904-912.	13.5	110
65	Systematic analysis of SARS-CoV-2 infection of an ACE2-negative human airway cell. Cell Reports, 2021, 36, 109364.	2.9	109
66	Populationâ€Based Incidence of Human Metapneumovirus Infection among Hospitalized Children. Journal of Infectious Diseases, 2010, 201, 1890-1898.	1.9	102
67	A â€œTrojan horseâ€•bispecific-antibody strategy for broad protection against ebolaviruses. Science, 2016, 354, 350-354.	6.0	101
68	Apical recycling systems regulate directional budding of respiratory syncytial virus from polarized epithelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15143-15148.	3.3	100
69	Multi-Donor Longitudinal Antibody Repertoire Sequencing Reveals the Existence of Public Antibody Clonotypes in HIV-1 Infection. Cell Host and Microbe, 2018, 23, 845-854.e6.	5.1	100
70	Influence of Maternal Antibodies on Neonatal Immunization against Respiratory Viruses. Clinical Infectious Diseases, 2001, 33, 1720-1727.	2.9	99
71	A further attenuated derivative of a cold-passaged temperature-sensitive mutant of human respiratory syncytial virus retains immunogenicity and protective efficacy against wild-type challenge in seronegative chimpanzees. Vaccine, 1994, 12, 783-790.	1.7	98
72	Cold-passaged, temperature-sensitive mutants of human respiratory syncytial virus (RSV) are highly attenuated, immunogenic, and protective in seronegative chimpanzees, even when RSV antibodies are infused shortly before immunization. Vaccine, 1995, 13, 847-855.	1.7	97

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73	Progression of Respiratory Syncytial Virus Infection Monitored by Fluorescent Quantum Dot Probes. Nano Letters, 2005, 5, 591-595.	4.5	97
74	Cytotoxic T cells specific for a single peptide on the M2 protein of respiratory syncytial virus are the sole mediators of resistance induced by immunization with M2 encoded by a recombinant vaccinia virus. Journal of Virology, 1995, 69, 1261-1264.	1.5	97
75	Passively Acquired Antibodies Suppress Humoral But Not Cell-Mediated Immunity in Mice Immunized with Live Attenuated Respiratory Syncytial Virus Vaccines. Journal of Immunology, 2001, 167, 3910-3918.	0.4	96
76	HCV Broadly Neutralizing Antibodies Use a CDRH3 Disulfide Motif to Recognize an E2 Glycoprotein Site that Can Be Targeted for Vaccine Design. Cell Host and Microbe, 2018, 24, 703-716.e3.	5.1	95
77	Cooperativity of actin and microtubule elements during replication of respiratory syncytial virus. Virology, 2005, 331, 73-81.	1.1	93
78	Resilience of S309 and AZD7442 monoclonal antibody treatments against infection by SARS-CoV-2 Omicron lineage strains. Nature Communications, 2022, 13, .	5.8	93
79	Isolation of Dengue Virus-Specific Memory B Cells with Live Virus Antigen from Human Subjects following Natural Infection Reveals the Presence of Diverse Novel Functional Groups of Antibody Clones. Journal of Virology, 2014, 88, 12233-12241.	1.5	92
80	Structures of Ebola virus GP and sGP in complex with therapeutic antibodies. Nature Microbiology, 2016, 1, 16128.	5.9	92
81	Naturally Occurring Human Monoclonal Antibodies Neutralize both 1918 and 2009 Pandemic Influenza A (H1N1) Viruses. Journal of Virology, 2010, 84, 3127-3130.	1.5	90
82	A comparison in chimpanzees of the immunogenicity and efficacy of live attenuated respiratory syncytial virus (RSV) temperature-sensitive mutant vaccines and vaccinia virus recombinants that express the surface glycoproteins of RSV. Vaccine, 1993, 11, 1395-1404.	1.7	89
83	A New Quaternary Structure Epitope on Dengue Virus Serotype 2 Is the Target of Durable Type-Specific Neutralizing Antibodies. MBio, 2015, 6, e01461-15.	1.8	89
84	Mucosal Immunization with a pH-Responsive Nanoparticle Vaccine Induces Protective CD8⁺ Lung-Resident Memory T Cells. ACS Nano, 2019, 13, 10939-10960.	7.3	89
85	Human Metapneumovirus as a Major Cause of Human Respiratory Tract Disease. Pediatric Infectious Disease Journal, 2004, 23, S215-S221.	1.1	88
86	A RhoA-derived peptide inhibits syncytium formation induced by respiratory syncytial virus and parainfluenza virus type 3. Nature Medicine, 2000, 6, 35-40.	15.2	87
87	Comparison of Subgenomic and Total RNA in SARS-CoV-2-Challenged Rhesus Macaques. Journal of Virology, 2021, 95, .	1.5	87
88	Satisfactorily attenuated and protective mutants derived from a partially attenuated cold-passaged respiratory syncytial virus mutant by introduction of additional attenuating mutations during chemical mutagenesis. Vaccine, 1994, 12, 691-699.	1.7	86
89	Host-Primed Ebola Virus GP Exposes a Hydrophobic NPC1 Receptor-Binding Pocket, Revealing a Target for Broadly Neutralizing Antibodies. MBio, 2016, 7, e02154-15.	1.8	86
90	Immunology of viral respiratory tract infection in infancy. Paediatric Respiratory Reviews, 2003, 4, 112-119.	1.2	85

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91	Human metapneumovirus infection in children hospitalized for wheezing. Journal of Allergy and Clinical Immunology, 2005, 115, 1311-1312.	1.5	85
92	Human Metapneumovirus Fusion Protein Vaccines That Are Immunogenic and Protective in Cotton Rats. Journal of Virology, 2007, 81, 698-707.	1.5	85
93	A novel pre-fusion conformation-specific neutralizing epitope on the respiratory syncytial virus fusion protein. Nature Microbiology, 2017, 2, 16271.	5.9	82
94	Epitope-Specific Human Influenza Antibody Repertoires Diversify by B Cell Intraclonal Sequence Divergence and Interclonal Convergence. Journal of Immunology, 2011, 187, 3704-3711.	0.4	81
95	Immune correlates of protection for dengue: State of the art and research agenda. Vaccine, 2017, 35, 4659-4669.	1.7	81
96	Addition of a Missense Mutation Present in the L Gene of Respiratory Syncytial Virus (RSV)cpts530/1030 to RSV Vaccine Candidatecpts248/404 Increases Its Attenuation and Temperature Sensitivity. Journal of Virology, 1999, 73, 871-877.	1.5	81
97	Influenza Human Monoclonal Antibody 1F1 Interacts with Three Major Antigenic Sites and Residues Mediating Human Receptor Specificity in H1N1 Viruses. PLoS Pathogens, 2012, 8, e1003067.	2.1	80
98	High-throughput antibody sequencing reveals genetic evidence of global regulation of the naÃ¯ve and memory repertoires that extends across individuals. Genes and Immunity, 2012, 13, 469-473.	2.2	79
99	A potently neutralizing SARS-CoV-2 antibody inhibits variants of concern by utilizing unique binding residues in a highly conserved epitope. Immunity, 2021, 54, 2399-2416.e6.	6.6	79
100	Human Germline Antibody Gene Segments Encode Polyspecific Antibodies. PLoS Computational Biology, 2013, 9, e1003045.	1.5	78
101	Broadly Neutralizing Antibody Mediated Clearance of Human Hepatitis C Virus Infection. Cell Host and Microbe, 2018, 24, 717-730.e5.	5.1	78
102	Integrated analysis of genetic and proteomic data identifies biomarkers associated with adverse events following smallpox vaccination. Genes and Immunity, 2009, 10, 112-119.	2.2	77
103	The Pediatric Burden of Human Coronaviruses Evaluated for Twenty Years. Pediatric Infectious Disease Journal, 2009, 28, 682-687.	1.1	77
104	Venezuelan Equine Encephalitis Virus Replicon Particles Encoding Respiratory Syncytial Virus Surface Glycoproteins Induce Protective Mucosal Responses in Mice and Cotton Rats. Journal of Virology, 2007, 81, 13710-13722.	1.5	75
105	Human Monoclonal Antibodies Derived From Memory B Cells Following Live Attenuated Dengue Virus Vaccination or Natural Infection Exhibit Similar Characteristics. Journal of Infectious Diseases, 2013, 207, 1898-1908.	1.9	74
106	RhoA Interacts with the Fusion Glycoprotein of Respiratory Syncytial Virus and Facilitates Virus-Induced Syncytium Formation. Journal of Virology, 1999, 73, 7262-7270.	1.5	74
107	Capturing the Spectrum of Interaction Effects in Genetic Association Studies by Simulated Evaporative Cooling Network Analysis. PLoS Genetics, 2009, 5, e1000432.	1.5	72
108	A Recombinant Human Monoclonal Antibody to Human Metapneumovirus Fusion Protein That Neutralizes Virus In Vitro and Is Effective Therapeutically In Vivo. Journal of Virology, 2007, 81, 8315-8324.	1.5	71

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109	Analysis of a Therapeutic Antibody Cocktail Reveals Determinants for Cooperative and Broad Ebolavirus Neutralization. Immunity, 2020, 52, 388-403.e12.	6.6	71
110	Broad dengue neutralization in mosquitoes expressing an engineered antibody. PLoS Pathogens, 2020, 16, e1008103.	2.1	69
111	Respiratory Syncytial Virus Regulates Human MicroRNAs by Using Mechanisms Involving Beta Interferon and NF-Î¹B. MBio, 2012, 3, .	1.8	68
112	Broadly neutralizing antibodies from human survivors target a conserved site in the Ebola virus glycoprotein HR2â€“MPER region. Nature Microbiology, 2018, 3, 670-677.	5.9	68
113	Genetic Basis for Adverse Events after Smallpox Vaccination. Journal of Infectious Diseases, 2008, 198, 16-22.	1.9	67
114	Genetic diversity and evolution of human metapneumovirus fusion protein over twenty years. Virology Journal, 2009, 6, 138.	1.4	67
115	Location and length distribution of somatic hypermutation-associated DNA insertions and deletions reveals regions of antibody structural plasticity. Genes and Immunity, 2012, 13, 523-529.	2.2	67
116	Therapy with CTLA4-Ig and an antiviral monoclonal antibody controls chikungunya virus arthritis. Science Translational Medicine, 2017, 9, .	5.8	67
117	A multifunctional human monoclonal neutralizing antibody that targets a unique conserved epitope on influenza HA. Nature Communications, 2018, 9, 2669.	5.8	67
118	Convergent antibody responses to the SARS-CoV-2 spike protein in convalescent and vaccinated individuals. Cell Reports, 2021, 36, 109604.	2.9	67
119	Coronavirus infection and hospitalizations for acute respiratory illness in young children. Journal of Medical Virology, 2009, 81, 853-856.	2.5	66
120	Structure of the human metapneumovirus fusion protein with neutralizing antibody identifies a pneumovirus antigenic site. Nature Structural and Molecular Biology, 2012, 19, 461-463.	3.6	66
121	Activation of protein kinase R is required for induction of stress granules by respiratory syncytial virus but dispensable for viral replication. Virology, 2011, 413, 103-110.	1.1	65
122	Structural basis for antibody cross-neutralization of respiratory syncytial virus and human metapneumovirus. Nature Microbiology, 2017, 2, 16272.	5.9	65
123	Principles of Broad and Potent Antiviral Human Antibodies: Insights for Vaccine Design. Cell Host and Microbe, 2017, 22, 193-206.	5.1	65
124	Monoclonal Antibodies Against the Staphylococcus aureus Bicomponent Leukotoxin AB Isolated Following Invasive Human Infection Reveal Diverse Binding and Modes of Action. Journal of Infectious Diseases, 2017, 215, 1124-1131.	1.9	65
125	A phase 1 trial of lipid-encapsulated mRNA encoding a monoclonal antibody with neutralizing activity against Chikungunya virus. Nature Medicine, 2021, 27, 2224-2233.	15.2	65
126	Nucleotide Sequence Analysis of the Respiratory Syncytial Virus Subgroup A Cold-Passaged (cp) Temperature Sensitive (ts)cpts-248/404 Live Attenuated Virus Vaccine Candidate. Virology, 1996, 225, 419-422.	1.1	64

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127	Infant and Adult Human B Cell Responses to Rotavirus Share Common Immunodominant Variable Gene Repertoires. Journal of Immunology, 2003, 171, 4680-4688.	0.4	64
128	Therapeutic treatment of Marburg and Ravn virus infection in nonhuman primates with a human monoclonal antibody. Science Translational Medicine, 2017, 9, .	5.8	64
129	Antibody-Dependent Enhancement of Ebola Virus Infection by Human Antibodies Isolated from Survivors. Cell Reports, 2018, 24, 1802-1815.e5.	2.9	64
130	Gold nanorod vaccine for respiratory syncytial virus. Nanotechnology, 2013, 24, 295102.	1.3	63
131	Use of Human Hybridoma Technology To Isolate Human Monoclonal Antibodies. Microbiology Spectrum, 2015, 3, AID-0027-2014.	1.2	63
132	Intramuscular Delivery of Replicon RNA Encoding ZIKV-117 Human Monoclonal Antibody Protects against Zika Virus Infection. Molecular Therapy - Methods and Clinical Development, 2020, 18, 402-414.	1.8	63
133	Pathogenic Chikungunya Virus Evades B Cell Responses to Establish Persistence. Cell Reports, 2016, 16, 1326-1338.	2.9	62
134	H7N9 influenza virus neutralizing antibodies that possess few somatic mutations. Journal of Clinical Investigation, 2016, 126, 1482-1494.	3.9	62
135	Respiratory syncytial virus vaccine development. Vaccine, 2001, 20, S32-S37.	1.7	61
136	Multifunctional Pan-ebolavirus Antibody Recognizes a Site of Broad Vulnerability on the Ebolavirus Glycoprotein. Immunity, 2018, 49, 363-374.e10.	6.6	61
137	Live Subgroup B Respiratory Syncytial Virus Vaccines that Are Attenuated, Genetically Stable, and Immunogenic in Rodents and Nonhuman Primates. Journal of Infectious Diseases, 1996, 173, 829-839.	1.9	60
138	Frequency and genetic characterization of <scp>V(DD)J</scp> recombinants in the human peripheral blood antibody repertoire. Immunology, 2012, 137, 56-64.	2.0	59
139	Human Monoclonal Antibodies That Neutralize Pandemic GII.4ÂNoroviruses. Gastroenterology, 2018, 155, 1898-1907.	0.6	59
140	Amphiregulin-Deficient Mice Develop Spasmolytic Polypeptide Expressing Metaplasia and Intestinal Metaplasia. Gastroenterology, 2009, 136, 1288-1296.	0.6	58
141	Functions of Antibodies. , 0, , 23-48.		58
142	Discovering naturally processed antigenic determinants that confer protective T cell immunity. Journal of Clinical Investigation, 2013, 123, 1976-1987.	3.9	58
143	Human metapneumovirus nucleoprotein and phosphoprotein interact and provide the minimal requirements for inclusion body formation. Journal of General Virology, 2008, 89, 2698-2708.	1.3	57
144	Human Monoclonal Antibodies to Pandemic 1957 H2N2 and Pandemic 1968 H3N2 Influenza Viruses. Journal of Virology, 2012, 86, 6334-6340.	1.5	57

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145	Generation of recombinant human monoclonal antibodies to rotavirus from single antigen-specific B cells selected with fluorescent virus-like particles. Journal of Immunological Methods, 2003, 275, 223-237.	0.6	56
146	Cross-reactive coronavirus antibodies with diverse epitope specificities and Fc effector functions. Cell Reports Medicine, 2021, 2, 100313.	3.3	56
147	Recurrent Achromobacter xylosoxidans Bacteremia Associated with Persistent Lymph Node Infection in a Patient with Hyper-Immunoglobulin M Syndrome. Clinical Infectious Diseases, 2000, 31, 1183-1187.	2.9	55
148	Identification of an H-2Db-restricted CD8+ cytotoxic T lymphocyte epitope in the matrix protein of respiratory syncytial virus. Virology, 2005, 337, 335-343.	1.1	55
149	Feature Selection using a Random Forests Classifier for the Integrated Analysis of Multiple Data Types. , 2006, , .		55
150	Dengue virus envelope protein domain I/II hinge determines long-lived serotype-specific dengue immunity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1939-1944.	3.3	55
151	Therapeutic administration of a recombinant human monoclonal antibody reduces the severity of chikungunya virus disease in rhesus macaques. PLoS Neglected Tropical Diseases, 2017, 11, e0005637.	1.3	55
152	VH1â€“46 Is the Dominant Immunoglobulin Heavy Chain Gene Segment in Rotavirus-Specific Memory B Cells Expressing the Intestinal Homing Receptor Î±4Î²7. Journal of Immunology, 2005, 174, 3454-3460.	0.4	54
153	A Critical Phenylalanine Residue in the Respiratory Syncytial Virus Fusion Protein Cytoplasmic Tail Mediates Assembly of Internal Viral Proteins into Viral Filaments and Particles. MBio, 2012, 3, .	1.8	54
154	A Cold-Passaged, Attenuated Strain of Human Respiratory Syncytial Virus Contains Mutations in the F and L Genes. Virology, 1995, 208, 478-484.	1.1	53
155	Vaccination Success Rate and Reaction Profile With Diluted and Undiluted Smallpox Vaccine. JAMA - Journal of the American Medical Association, 2004, 292, 1205.	3.8	53
156	Machine learning competition in immunology â€“ Prediction of HLA class I binding peptides. Journal of Immunological Methods, 2011, 374, 1-4.	0.6	53
157	Structural basis of a potent human monoclonal antibody against Zika virus targeting a quaternary epitope. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1591-1596.	3.3	53
158	Human Antibody Responses to Mature and Immature Forms of Viral Envelope in Respiratory Syncytial Virus Infection: Significance for Subunit Vaccines. Journal of Virology, 1999, 73, 2956-2962.	1.5	52
159	Synergistic anti-HCV broadly neutralizing human monoclonal antibodies with independent mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E82-E91.	3.3	52
160	Human Rotavirus VP6-Specific Antibodies Mediate Intracellular Neutralization by Binding to a Quaternary Structure in the Transcriptional Pore. PLoS ONE, 2013, 8, e61101.	1.1	51
161	Structural Basis of Protection against H7N9 Influenza Virus by Human Anti-N9 Neuraminidase Antibodies. Cell Host and Microbe, 2019, 26, 729-738.e4.	5.1	51
162	Immune responses of infants to infection with respiratory viruses and live attenuated respiratory virus candidate vaccines. Vaccine, 1998, 16, 1423-1432.	1.7	50

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163	Cryo-EM structures elucidate neutralizing mechanisms of anti-chikungunya human monoclonal antibodies with therapeutic activity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13898-13903.	3.3	50
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