

Stephan Becker

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189
papers

17,531
citations

62
h-index

130
g-index

201
ext. papers

20,867
ext. citations

9.8
avg, IF

6.41
L-index

#	Paper	IF	Citations
189	Identification of a novel coronavirus in patients with severe acute respiratory syndrome. <i>New England Journal of Medicine</i> , 2003 , 348, 1967-76	59.2	3237
188	Crystal structure of SARS-CoV-2 main protease provides a basis for design of improved Etketoamide inhibitors. <i>Science</i> , 2020 , 368, 409-412	33.3	1636
187	Safety and immunogenicity of the ChAdOx1 nCoV-19 vaccine against SARS-CoV-2: a preliminary report of a phase 1/2, single-blind, randomised controlled trial. <i>Lancet, The</i> , 2020 , 396, 467-478	40	1274
186	An efficient method to make human monoclonal antibodies from memory B cells: potent neutralization of SARS coronavirus. <i>Nature Medicine</i> , 2004 , 10, 871-5	50.5	563
185	Comparison of the transcription and replication strategies of marburg virus and Ebola virus by using artificial replication systems. <i>Journal of Virology</i> , 1999 , 73, 2333-42	6.6	363
184	Proposal for a revised taxonomy of the family Filoviridae: classification, names of taxa and viruses, and virus abbreviations. <i>Archives of Virology</i> , 2010 , 155, 2083-103	2.6	343
183	SARS--beginning to understand a new virus. <i>Nature Reviews Microbiology</i> , 2003 , 1, 209-18	22.2	343
182	GP mRNA of Ebola virus is edited by the Ebola virus polymerase and by T7 and vaccinia virus polymerases. <i>Virology</i> , 1995 , 214, 421-30	3.6	302
181	DC-SIGN and DC-SIGNR interact with the glycoprotein of Marburg virus and the S protein of severe acute respiratory syndrome coronavirus. <i>Journal of Virology</i> , 2004 , 78, 12090-5	6.6	290
180	Phase 1 Trials of rVSV Ebola Vaccine in Africa and Europe. <i>New England Journal of Medicine</i> , 2016 , 374, 1647-60	59.2	282
179	Investigating the zoonotic origin of the West African Ebola epidemic. <i>EMBO Molecular Medicine</i> , 2015 , 7, 17-23	12	252
178	A Monovalent Chimpanzee Adenovirus Ebola Vaccine Boosted with MVA. <i>New England Journal of Medicine</i> , 2016 , 374, 1635-46	59.2	232
177	Temporal and spatial analysis of the 2014-2015 Ebola virus outbreak in West Africa. <i>Nature</i> , 2015 , 524, 97-101	50.4	229
176	The effect of dose on the safety and immunogenicity of the VSV Ebola candidate vaccine: a randomised double-blind, placebo-controlled phase 1/2 trial. <i>Lancet Infectious Diseases, The</i> , 2015 , 15, 1156-1166	25.5	202
175	Longitudinal Isolation of Potent Near-Germline SARS-CoV-2-Neutralizing Antibodies from COVID-19 Patients. <i>Cell</i> , 2020 , 182, 843-854.e12	56.2	185
174	Three of the four nucleocapsid proteins of Marburg virus, NP, VP35, and L, are sufficient to mediate replication and transcription of Marburg virus-specific monocistronic minigenomes. <i>Journal of Virology</i> , 1998 , 72, 8756-64	6.6	183
173	Ebola virus enters host cells by macropinocytosis and clathrin-mediated endocytosis. <i>Journal of Infectious Diseases</i> , 2011 , 204 Suppl 3, S957-67	7	176

172	LSEctin interacts with filovirus glycoproteins and the spike protein of SARS coronavirus. <i>Virology</i> , 2005 , 340, 224-36	3.6	167
171	Structural dissection of Ebola virus and its assembly determinants using cryo-electron tomography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 4275-80	11.5	157
170	Inhibition of filovirus replication by the zinc finger antiviral protein. <i>Journal of Virology</i> , 2007 , 81, 2391-400	4.0	151
169	Severe Ebola virus disease with vascular leakage and multiorgan failure: treatment of a patient in intensive care. <i>Lancet, The</i> , 2015 , 385, 1428-35	4.0	147
168	The clinically approved drugs amiodarone, dronedarone and verapamil inhibit filovirus cell entry. <i>Journal of Antimicrobial Chemotherapy</i> , 2014 , 69, 2123-31	5.1	140
167	Ectodomain shedding of the glycoprotein GP of Ebola virus. <i>EMBO Journal</i> , 2004 , 23, 2175-84	13	134
166	Inclusion bodies are a site of ebolavirus replication. <i>Journal of Virology</i> , 2012 , 86, 11779-88	6.6	128
165	Protective Efficacy of Recombinant Modified Vaccinia Virus Ankara Delivering Middle East Respiratory Syndrome Coronavirus Spike Glycoprotein. <i>Journal of Virology</i> , 2015 , 89, 8651-6	6.6	123
164	Ebola virus VP30-mediated transcription is regulated by RNA secondary structure formation. <i>Journal of Virology</i> , 2002 , 76, 8532-9	6.6	121
163	Safety and immunogenicity of a candidate Middle East respiratory syndrome coronavirus viral-vectored vaccine: a dose-escalation, open-label, non-randomised, uncontrolled, phase 1 trial. <i>Lancet Infectious Diseases, The</i> , 2020 , 20, 816-826	25.5	120
162	The matrix protein VP40 from Ebola virus octamerizes into pore-like structures with specific RNA binding properties. <i>Structure</i> , 2003 , 11, 423-33	5.2	117
161	Human cell tropism and innate immune system interactions of human respiratory coronavirus EMC compared to those of severe acute respiratory syndrome coronavirus. <i>Journal of Virology</i> , 2013 , 87, 5300-4	6.6	115
160	Structure and assembly of the Ebola virus nucleocapsid. <i>Nature</i> , 2017 , 551, 394-397	50.4	114
159	ChAdOx1 and MVA based vaccine candidates against MERS-CoV elicit neutralising antibodies and cellular immune responses in mice. <i>Vaccine</i> , 2017 , 35, 3780-3788	4.1	111
158	Middle East respiratory syndrome coronavirus spike protein delivered by modified vaccinia virus Ankara efficiently induces virus-neutralizing antibodies. <i>Journal of Virology</i> , 2013 , 87, 11950-4	6.6	111
157	Virucidal Activity of World Health Organization-Recommended Formulations Against Enveloped Viruses, Including Zika, Ebola, and Emerging Coronaviruses. <i>Journal of Infectious Diseases</i> , 2017 , 215, 902-906	7	110
156	Management of accidental exposure to Ebola virus in the biosafety level 4 laboratory, Hamburg, Germany. <i>Journal of Infectious Diseases</i> , 2011 , 204 Suppl 3, S785-90	7	109
155	Infection of naive target cells with virus-like particles: implications for the function of ebola virus VP24. <i>Journal of Virology</i> , 2006 , 80, 7260-4	6.6	103

154	Cryo-electron tomography of Marburg virus particles and their morphogenesis within infected cells. <i>PLoS Biology</i> , 2011 , 9, e1001196	9.7	95
153	Phosphorylation of VP30 impairs ebola virus transcription. <i>Journal of Biological Chemistry</i> , 2002 , 277, 33099-104	5.4	95
152	Ebola and Marburg haemorrhagic fever. <i>Journal of Clinical Virology</i> , 2015 , 64, 111-9	14.5	94
151	Oligomerization of Ebola virus VP40 is essential for particle morphogenesis and regulation of viral transcription. <i>Journal of Virology</i> , 2010 , 84, 7053-63	6.6	93
150	A Highly Immunogenic and Protective Middle East Respiratory Syndrome Coronavirus Vaccine Based on a Recombinant Measles Virus Vaccine Platform. <i>Journal of Virology</i> , 2015 , 89, 11654-67	6.6	91
149	VP40 octamers are essential for Ebola virus replication. <i>Journal of Virology</i> , 2005 , 79, 1898-905	6.6	88
148	Proteolytic processing of Marburg virus glycoprotein. <i>Virology</i> , 2000 , 268, 1-6	3.6	88
147	Multivesicular bodies as a platform for formation of the Marburg virus envelope. <i>Journal of Virology</i> , 2004 , 78, 12277-87	6.6	86
146	High secretion of interferons by human plasmacytoid dendritic cells upon recognition of Middle East respiratory syndrome coronavirus. <i>Journal of Virology</i> , 2015 , 89, 3859-69	6.6	84
145	VP40, the matrix protein of Marburg virus, is associated with membranes of the late endosomal compartment. <i>Journal of Virology</i> , 2002 , 76, 1825-38	6.6	84
144	Characterization of the Lassa virus matrix protein Z: electron microscopic study of virus-like particles and interaction with the nucleoprotein (NP). <i>Virus Research</i> , 2004 , 100, 249-55	6.4	75
143	Safety and immunogenicity of a modified vaccinia virus Ankara vector vaccine candidate for Middle East respiratory syndrome: an open-label, phase 1 trial. <i>Lancet Infectious Diseases</i> , 2020 , 20, 827-838	25.5	74
142	The Ebola virus glycoprotein contributes to but is not sufficient for virulence in vivo. <i>PLoS Pathogens</i> , 2012 , 8, e1002847	7.6	74
141	Ultrastructural organization of recombinant Marburg virus nucleoprotein: comparison with Marburg virus inclusions. <i>Journal of Virology</i> , 2000 , 74, 3899-904	6.6	73
140	Phosphorylation of Ebola virus VP30 influences the composition of the viral nucleocapsid complex: impact on viral transcription and replication. <i>Journal of Biological Chemistry</i> , 2013 , 288, 11165-74	5.4	71
139	Crystal structure of the C-terminal domain of Ebola virus VP30 reveals a role in transcription and nucleocapsid association. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 624-9	11.5	71
138	Favipiravir and Ribavirin Treatment of Epidemiologically Linked Cases of Lassa Fever. <i>Clinical Infectious Diseases</i> , 2017 , 65, 855-859	11.6	70
137	Phylogeny of the SARS coronavirus. <i>Science</i> , 2003 , 302, 1504-5	33.3	69

136	VP24 of Marburg virus influences formation of infectious particles. <i>Journal of Virology</i> , 2005 , 79, 13421-336	3.6	69
135	Filoviruses: Interactions with the host cell. <i>Cellular and Molecular Life Sciences</i> , 2008 , 65, 756-76	10.3	68
134	Systems Vaccinology Identifies an Early Innate Immune Signature as a Correlate of Antibody Responses to the Ebola Vaccine rVSV-ZEBOV. <i>Cell Reports</i> , 2017 , 20, 2251-2261	10.6	67
133	Role of Ebola virus VP30 in transcription reinitiation. <i>Journal of Virology</i> , 2008 , 82, 12569-73	6.6	66
132	The matrix protein of Marburg virus is transported to the plasma membrane along cellular membranes: exploiting the retrograde late endosomal pathway. <i>Journal of Virology</i> , 2004 , 78, 2382-93	6.6	66
131	Live-cell imaging of Marburg virus-infected cells uncovers actin-dependent transport of nucleocapsids over long distances. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 14402-7	11.5	65
130	Budding of Marburgvirus is associated with filopodia. <i>Cellular Microbiology</i> , 2007 , 9, 939-51	3.9	65
129	Analysis of the interaction of Ebola virus glycoprotein with DC-SIGN (dendritic cell-specific intercellular adhesion molecule 3-grabbing nonintegrin) and its homologue DC-SIGNR. <i>Journal of Infectious Diseases</i> , 2007 , 196 Suppl 2, S237-46	7	63
128	Morphology of Marburg virus NP-RNA. <i>Virology</i> , 2002 , 296, 300-7	3.6	62
127	The natural compound silvestrol is a potent inhibitor of Ebola virus replication. <i>Antiviral Research</i> , 2017 , 137, 76-81	10.8	59
126	Tsg101 is recruited by a late domain of the nucleocapsid protein to support budding of Marburg virus-like particles. <i>Journal of Virology</i> , 2010 , 84, 7847-56	6.6	59
125	Ebola virus transcription activator VP30 is a zinc-binding protein. <i>Journal of Virology</i> , 2003 , 77, 3334-8	6.6	59
124	Diagnostic reverse-transcription polymerase chain reaction kit for filoviruses based on the strain collections of all European biosafety level 4 laboratories. <i>Journal of Infectious Diseases</i> , 2007 , 196 Suppl 2, S199-204	7	56
123	Oligomerization of Ebola virus VP30 is essential for viral transcription and can be inhibited by a synthetic peptide. <i>Journal of Biological Chemistry</i> , 2003 , 278, 41830-6	5.4	56
122	Homo-oligomerization of Marburgvirus VP35 is essential for its function in replication and transcription. <i>Journal of Virology</i> , 2005 , 79, 14876-86	6.6	55
121	Establishment and application of an infectious virus-like particle system for Marburg virus. <i>Journal of General Virology</i> , 2010 , 91, 1325-34	4.9	53
120	Efficient budding of the tacaribe virus matrix protein z requires the nucleoprotein. <i>Journal of Virology</i> , 2010 , 84, 3603-11	6.6	53
119	Polyclonal and convergent antibody response to Ebola virus vaccine rVSV-ZEBOV. <i>Nature Medicine</i> , 2019 , 25, 1589-1600	50.5	52

118	Virus nomenclature below the species level: a standardized nomenclature for filovirus strains and variants rescued from cDNA. <i>Archives of Virology</i> , 2014 , 159, 1229-37	2.6	52
117	The Ebola Virus Nucleoprotein Recruits the Host PP2A-B56 Phosphatase to Activate Transcriptional Support Activity of VP30. <i>Molecular Cell</i> , 2018 , 69, 136-145.e6	17.6	51
116	Humoral Immunogenicity and Efficacy of a Single Dose of ChAdOx1 MERS Vaccine Candidate in Dromedary Camels. <i>Scientific Reports</i> , 2019 , 9, 16292	4.9	49
115	Acylation of the Marburg virus glycoprotein. <i>Virology</i> , 1995 , 208, 289-97	3.6	49
114	Phosphorylation of Marburg virus VP30 at serines 40 and 42 is critical for its interaction with NP inclusions. <i>Virology</i> , 2001 , 287, 171-82	3.6	48
113	Termini of all mRNA species of Marburg virus: sequence and secondary structure. <i>Virology</i> , 1996 , 223, 376-80	3.6	48
112	Electron tomography reveals the steps in filovirus budding. <i>PLoS Pathogens</i> , 2010 , 6, e1000875	7.6	47
111	Suramin is a potent inhibitor of Chikungunya and Ebola virus cell entry. <i>Virology Journal</i> , 2016 , 13, 149	6.1	47
110	Safety and immunogenicity of rVSV-ZEBOV-GP Ebola vaccine in adults and children in Lambaré, Gabon: A phase I randomised trial. <i>PLoS Medicine</i> , 2017 , 14, e1002402	11.6	46
109	Dose-dependent T-cell Dynamics and Cytokine Cascade Following rVSV-ZEBOV Immunization. <i>EBioMedicine</i> , 2017 , 19, 107-118	8.8	45
108	Inhibition of Marburg virus protein expression and viral release by RNA interference. <i>Journal of General Virology</i> , 2005 , 86, 1181-1188	4.9	45
107	Filovirus RefSeq entries: evaluation and selection of filovirus type variants, type sequences, and names. <i>Viruses</i> , 2014 , 6, 3663-82	6.2	44
106	Tacaribe virus but not junin virus infection induces cytokine release from primary human monocytes and macrophages. <i>PLoS Neglected Tropical Diseases</i> , 2011 , 5, e1137	4.8	44
105	Dynamic Phosphorylation of VP30 Is Essential for Ebola Virus Life Cycle. <i>Journal of Virology</i> , 2016 , 90, 4914-4925	6.6	43
104	Functional Characterization of Adaptive Mutations during the West African Ebola Virus Outbreak. <i>Journal of Virology</i> , 2017 , 91,	6.6	43
103	Intracellular transport and processing of the Marburg virus surface protein in vertebrate and insect cells. <i>Virology</i> , 1996 , 225, 145-55	3.6	43
102	Determinants of antibody persistence across doses and continents after single-dose rVSV-ZEBOV vaccination for Ebola virus disease: an observational cohort study. <i>Lancet Infectious Diseases</i> , 2018 , 18, 738-748	25.5	42
101	Profile and persistence of the virus-specific neutralizing humoral immune response in human survivors of Sudan ebolavirus (Gulu). <i>Journal of Infectious Diseases</i> , 2013 , 208, 299-309	7	42

100	Studies on membrane topology, N-glycosylation and functionality of SARS-CoV membrane protein. <i>Virology Journal</i> , 2009 , 6, 79	6.1	42
99	Basolateral budding of Marburg virus: VP40 retargets viral glycoprotein GP to the basolateral surface. <i>Journal of Infectious Diseases</i> , 2007 , 196 Suppl 2, S232-6	7	41
98	Sorting of Marburg virus surface protein and virus release take place at opposite surfaces of infected polarized epithelial cells. <i>Journal of Virology</i> , 2001 , 75, 1274-83	6.6	41
97	Establishment of fruit bat cells (<i>Rousettus aegyptiacus</i>) as a model system for the investigation of filoviral infection. <i>PLoS Neglected Tropical Diseases</i> , 2010 , 4, e802	4.8	40
96	Transport of Ebolavirus Nucleocapsids Is Dependent on Actin Polymerization: Live-Cell Imaging Analysis of Ebolavirus-Infected Cells. <i>Journal of Infectious Diseases</i> , 2015 , 212 Suppl 2, S160-6	7	39
95	First international quality assurance study on the rapid detection of viral agents of bioterrorism. <i>Journal of Clinical Microbiology</i> , 2004 , 42, 1753-5	9.7	39
94	Analysis of Ebola Virus Entry Into Macrophages. <i>Journal of Infectious Diseases</i> , 2015 , 212 Suppl 2, S247-57		38
93	Vacuolar protein sorting pathway contributes to the release of Marburg virus. <i>Journal of Virology</i> , 2009 , 83, 2327-37	6.6	38
92	SARS vaccine protective in mice. <i>Emerging Infectious Diseases</i> , 2005 , 11, 1312-4	10.2	36
91	RNA Binding of Ebola Virus VP30 Is Essential for Activating Viral Transcription. <i>Journal of Virology</i> , 2016 , 90, 7481-7496	6.6	35
90	Marburg virus inclusions: A virus-induced microcompartment and interface to multivesicular bodies and the late endosomal compartment. <i>European Journal of Cell Biology</i> , 2015 , 94, 323-31	6.1	34
89	Role of the transmembrane domain of marburg virus surface protein GP in assembly of the viral envelope. <i>Journal of Virology</i> , 2007 , 81, 3942-8	6.6	34
88	Acute Ebola virus disease patient treatment and health-related quality of life in health care professionals: A controlled study. <i>Journal of Psychosomatic Research</i> , 2016 , 83, 69-74	4.1	33
87	The importance of the NP: VP35 ratio in Ebola virus nucleocapsid formation. <i>Journal of Infectious Diseases</i> , 2011 , 204 Suppl 3, S878-83	7	32
86	Extracorporeal virus elimination for the treatment of severe Ebola virus disease--first experience with lectin affinity plasmapheresis. <i>Blood Purification</i> , 2014 , 38, 286-91	3.1	31
85	Interaction with Tsg101 is necessary for the efficient transport and release of nucleocapsids in marburg virus-infected cells. <i>PLoS Pathogens</i> , 2014 , 10, e1004463	7.6	30
84	Phosphorylation of Marburg virus matrix protein VP40 triggers assembly of nucleocapsids with the viral envelope at the plasma membrane. <i>Cellular Microbiology</i> , 2012 , 14, 182-97	3.9	30
83	Development of an immunofiltration-based antigen-detection assay for rapid diagnosis of Ebola virus infection. <i>Journal of Infectious Diseases</i> , 2007 , 196 Suppl 2, S184-92	7	30

82	Differential transcriptional responses to Ebola and Marburg virus infection in bat and human cells. <i>Scientific Reports</i> , 2016 , 6, 34589	4.9	30
81	Spectrum of pathogen- and model-specific histopathologies in mouse models of acute pneumonia. <i>PLoS ONE</i> , 2017 , 12, e0188251	3.7	29
80	Comprehensive Characterization of Cellular Immune Responses Following Ebola Virus Infection. <i>Journal of Infectious Diseases</i> , 2017 , 215, 287-292	7	29
79	Characterization of severe acute respiratory syndrome coronavirus membrane protein. <i>FEBS Letters</i> , 2006 , 580, 968-73	3.8	29
78	A Polymorphism within the Internal Fusion Loop of the Ebola Virus Glycoprotein Modulates Host Cell Entry. <i>Journal of Virology</i> , 2017 , 91,	6.6	28
77	From hybridomas to a robust microalgal-based production platform: molecular design of a diatom secreting monoclonal antibodies directed against the Marburg virus nucleoprotein. <i>Microbial Cell Factories</i> , 2017 , 16, 131	6.4	28
76	Development of an antibody capture ELISA using inactivated Ebola Zaire Makona virus. <i>Medical Microbiology and Immunology</i> , 2016 , 205, 173-83	4	27
75	Immunogenicity and efficacy of the COVID-19 candidate vector vaccine MVA-SARS-2-S in preclinical vaccination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	27
74	Field Evaluation of Capillary Blood Samples as a Collection Specimen for the Rapid Diagnosis of Ebola Virus Infection During an Outbreak Emergency. <i>Clinical Infectious Diseases</i> , 2015 , 61, 669-75	11.6	26
73	Ebola virus proteins NP, VP35, and VP24 are essential and sufficient to mediate nucleocapsid transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1075-1080	11.5	26
72	Production of monoclonal antibodies and development of an antigen capture ELISA directed against the envelope glycoprotein GP of Ebola virus. <i>Medical Microbiology and Immunology</i> , 2004 , 193, 181-7	4	26
71	Development, characterization and use of monoclonal VP40-antibodies for the detection of Ebola virus. <i>Journal of Virological Methods</i> , 2003 , 111, 21-8	2.6	25
70	The molecular tweezer CLR01 inhibits Ebola and Zika virus infection. <i>Antiviral Research</i> , 2018 , 152, 26-35	10.8	24
69	Nipah Virus Matrix Protein Influences Fusogenicity and Is Essential for Particle Infectivity and Stability. <i>Journal of Virology</i> , 2015 , 90, 2514-22	6.6	24
68	RNA binding specificity of Ebola virus transcription factor VP30. <i>RNA Biology</i> , 2016 , 13, 783-98	4.8	23
67	Profiling the native specific human humoral immune response to Sudan Ebola virus strain Gulu by chemiluminescence enzyme-linked immunosorbent assay. <i>Vaccine Journal</i> , 2012 , 19, 1844-52		23
66	The nucleoprotein of Marburg virus is target for multiple cellular kinases. <i>Virology</i> , 1999 , 255, 50-62	3.6	22
65	Assembly of the Marburg virus envelope. <i>Cellular Microbiology</i> , 2013 , 15, 270-84	3.9	21

64	Measles virus M protein-driven particle production does not involve the endosomal sorting complex required for transport (ESCRT) system. <i>Journal of General Virology</i> , 2010 , 91, 1464-72	4.9	21
63	Analysis of determinants in filovirus glycoproteins required for tetherin antagonism. <i>Viruses</i> , 2014 , 6, 1654-71	6.2	20
62	Nucleocapsid formation and RNA synthesis of Marburg virus is dependent on two coiled coil motifs in the nucleoprotein. <i>Virology Journal</i> , 2007 , 4, 105	6.1	20
61	Cleavage of the Junin virus nucleoprotein serves a decoy function to inhibit the induction of apoptosis during infection. <i>Journal of Virology</i> , 2013 , 87, 224-33	6.6	19
60	Multi-level inhibition of coronavirus replication by chemical ER stress. <i>Nature Communications</i> , 2021 , 12, 5536	17.4	19
59	Influenza virus budding from the tips of cellular microvilli in differentiated human airway epithelial cells. <i>Journal of General Virology</i> , 2013 , 94, 971-976	4.9	18
58	Genus-specific recruitment of filovirus ribonucleoprotein complexes into budding particles. <i>Journal of General Virology</i> , 2011 , 92, 2900-2905	4.9	18
57	Dynamic phosphorylation of Ebola virus VP30 in NP-induced inclusion bodies. <i>Virology</i> , 2017 , 512, 39-47	3.6	17
56	Randomized, Blinded, Dose-Ranging Trial of an Ebola Virus Glycoprotein Nanoparticle Vaccine With Matrix-M Adjuvant in Healthy Adults. <i>Journal of Infectious Diseases</i> , 2020 , 222, 572-582	7	17
55	Detectable Vesicular Stomatitis Virus (VSV)-Specific Humoral and Cellular Immune Responses Following VSV-Ebola Virus Vaccination in Humans. <i>Journal of Infectious Diseases</i> , 2019 , 219, 556-561	7	16
54	Development and characterization of DNzyme candidates demonstrating significant efficiency against human rhinoviruses. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 1403-1415	11.5	16
53	The Marburg virus surface protein GP is phosphorylated at its ectodomain. <i>Virology</i> , 2002 , 295, 20-9	3.6	15
52	Phosphorylation of Marburg virus NP region II modulates viral RNA synthesis. <i>Journal of Infectious Diseases</i> , 2011 , 204 Suppl 3, S927-33	7	14
51	Genome Sequence of Lassa Virus Isolated from the First Domestically Acquired Case in Germany. <i>Genome Announcements</i> , 2016 , 4,		14
50	Tetherin Inhibits Nipah Virus but Not Ebola Virus Replication in Fruit Bat Cells. <i>Journal of Virology</i> , 2019 , 93,	6.6	14
49	Intranasal Administration of a Monoclonal Neutralizing Antibody Protects Mice against SARS-CoV-2 Infection. <i>Viruses</i> , 2021 , 13,	6.2	14
48	Inside the Cell: Assembly of Filoviruses. <i>Current Topics in Microbiology and Immunology</i> , 2017 , 411, 353-380	9.0	13
47	A Single Amino Acid Change in the Marburg Virus Matrix Protein VP40 Provides a Replicative Advantage in a Species-Specific Manner. <i>Journal of Virology</i> , 2016 , 90, 1444-54	6.6	13

46	The cytoplasmic domain of Marburg virus GP modulates early steps of viral infection. <i>Journal of Virology</i> , 2011 , 85, 8188-96	6.6	13
45	In vitro evaluation of antisense RNA efficacy against filovirus infection, by use of reverse genetics. <i>Journal of Infectious Diseases</i> , 2007 , 196 Suppl 2, S382-9	7	13
44	Longitudinal antibody and T cell responses in Ebola virus disease survivors and contacts: an observational cohort study. <i>Lancet Infectious Diseases</i> , 2021 , 21, 507-516	25.5	13
43	Serine-Arginine Protein Kinase 1 Regulates Ebola Virus Transcription. <i>MBio</i> , 2020 , 11,	7.8	12
42	Recent advances in filovirus- and arenavirus-like particles. <i>Future Virology</i> , 2007 , 2, 193-203	2.4	10
41	External quality assessment study for ebolavirus PCR-diagnostic promotes international preparedness during the 2014 - 2016 Ebola outbreak in West Africa. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005570	4.8	10
40	Cyclophilin inhibitors restrict Middle East respiratory syndrome coronavirus interferon- λ and in mice. <i>European Respiratory Journal</i> , 2020 , 56,	13.6	9
39	Ebola and Marburg virus matrix layers are locally ordered assemblies of VP40 dimers. <i>ELife</i> , 2020 , 9,	8.9	9
38	Marburg virus regulates the IRE1/XBP1-dependent unfolded protein response to ensure efficient viral replication. <i>Emerging Microbes and Infections</i> , 2019 , 8, 1300-1313	18.9	8
37	Adverse effects of MVA-T7 on the transport of Marburg virus glycoprotein. <i>Journal of Virological Methods</i> , 2001 , 91, 29-35	2.6	8
36	Generation of therapeutic antisera for emerging viral infections. <i>Npj Vaccines</i> , 2018 , 3, 42	9.5	8
35	Anti-Niemann Pick C1 Single-Stranded Oligonucleotides with Locked Nucleic Acids Potently Reduce Ebola Virus Infection In Vitro. <i>Molecular Therapy - Nucleic Acids</i> , 2019 , 16, 686-697	10.7	7
34	The New World arenavirus Tacaribe virus induces caspase-dependent apoptosis in infected cells. <i>Journal of General Virology</i> , 2016 , 97, 855-866	4.9	7
33	Adjuvant formulated virus-like particles expressing native-like forms of the Lassa virus envelope surface glycoprotein are immunogenic and induce antibodies with broadly neutralizing activity. <i>Npj Vaccines</i> , 2020 , 5, 71	9.5	7
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31	Characterization of the Filovirus-Resistant Cell Line SH-SY5Y Reveals Redundant Role of Cell Surface Entry Factors. <i>Viruses</i> , 2019 , 11,	6.2	6
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