Frank J M Van Kuppeveld

List of Publications by Year in Descending Order

219 papers	10,211 citations	60 h-index	92 g-index
232 ext. papers	12,348 ext. citations	9.1 avg, IF	6.36 L-index

#	Paper	IF	Citations
219	Fluoxetine targets an allosteric site in the enterovirus 2C AAA+ ATPase and stabilizes a ring-shaped hexameric complex.. *Science Advances*, **2022**, 8, eabj7615	14.3	1
218	An ACE2-blocking antibody confers broad neutralization and protection against Omicron and other SARS-CoV-2 variants of concern.. *Science Immunology*, **2022**, eabp9312	28	5
217	Rhinoviruses usurp STING for replication.. *Nature Microbiology*, **2022**, 7, 605-606	26.6	
216	Second sialic acid-binding site of influenza A virus neuraminidase: binding receptors for efficient release. *FEBS Journal*, **2021**, 288, 5598-5612	5.7	8
215	An alphavirus replicon-based vaccine expressing a stabilized Spike antigen induces protective immunity and prevents transmission of SARS-CoV-2 between cats. *Npj Vaccines*, **2021**, 6, 122	9.5	3
214	A conserved immunogenic and vulnerable site on the coronavirus spike protein delineated by cross-reactive monoclonal antibodies. *Nature Communications*, **2021**, 12, 1715	17.4	60
213	Respiratory mucus as a virus-host range determinant. *Trends in Microbiology*, **2021**, 29, 983-992	12.4	3
212	Analysis of the Evolution of Pandemic Influenza A(H1N1) Virus Neuraminidase Reveals Entanglement of Different Phenotypic Characteristics. *MBio*, **2021**, 12,	7.8	3
211	Serologic Screening of Severe Acute Respiratory Syndrome Coronavirus 2 Infection in Cats and Dogs during First Coronavirus Disease Wave, the Netherlands. *Emerging Infectious Diseases*, **2021**, 27, 1362-1370	10.2	22
210	Enterocytes, fibroblasts and myeloid cells synergize in anti-bacterial and anti-viral pathways with IL22 as the central cytokine. *Communications Biology*, **2021**, 4, 631	6.7	1
209	Structural insights into the cross-neutralization of SARS-CoV and SARS-CoV-2 by the human monoclonal antibody 47D11. *Science Advances*, **2021**, 7,	14.3	19
208	SARS-CoV-2 Neutralizing Human Antibodies Protect Against Lower Respiratory Tract Disease in a Hamster Model. *Journal of Infectious Diseases*, **2021**, 223, 2020-2028	7	16
207	A plug-and-play platform of ratiometric bioluminescent sensors for homogeneous immunoassays. *Nature Communications*, **2021**, 12, 4586	17.4	9
206	Bithiazole Inhibitors of Phosphatidylinositol 4-Kinase (PI4KIII)as Broad-Spectrum Antivirals Blocking the Replication of SARS-CoV-2, Zika Virus, and Human Rhinoviruses. *ChemMedChem*, **2021**, 16, 3548-3552	3.7	0
205	SARS-CoV-2 mucosal antibody development and persistence and their relation to viral load and COVID-19 symptoms. *Nature Communications*, **2021**, 12, 5621	17.4	9
204	Enhanced Enterovirus D68 Replication in Neuroblastoma Cells Is Associated with a Cell Culture-Adaptive Amino Acid Substitution in VP1. *MSphere*, **2020**, 5,	5	3
203	A human monoclonal antibody blocking SARS-CoV-2 infection. *Nature Communications*, **2020**, 11, 2251	17.4	685

202	Host factor prioritization for pan-viral genetic perturbation screens using random intercept models and network propagation. *PLoS Computational Biology*, **2020**, 16, e1007587	5	5
201	Synthesis and antiviral effect of novel fluoxetine analogues as enterovirus 2C inhibitors. *Antiviral Research*, **2020**, 178, 104781	10.8	17
200	Rational design of highly potent broad-spectrum enterovirus inhibitors targeting the nonstructural protein 2C. *PLoS Biology*, **2020**, 18, e3000904	9.7	11
199	Characterization of the c10orf76-PI4KB complex and its necessity for Golgi PI4P levels and enterovirus replication. *EMBO Reports*, **2020**, 21, e48441	6.5	10
198	Coronavirus hemagglutinin-esterase and spike proteins coevolve for functional balance and optimal virion avidity. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 25759-25770	11.5	24
197	Immunometabolism pathways as the basis for innovative anti-viral strategies (INITIATE): A Marie Sklodowska-Curie innovative training network. *Virus Research*, **2020**, 287, 198094	6.4	0
196	Inhibition of the integrated stress response by viral proteins that block p-eIF2-eIF2B association. *Nature Microbiology*, **2020**, 5, 1361-1373	26.6	17
195	Dissecting distinct proteolytic activities of FMDV Lpro implicates cleavage and degradation of RLR signaling proteins, not its deISGylase/DUB activity, in type I interferon suppression. *PLoS Pathogens* , **2020**, 16, e1008702	7.6	16
194	Development of a SARS-CoV-2 Total Antibody Assay and the Dynamics of Antibody Response over Time in Hospitalized and Nonhospitalized Patients with COVID-19. *Journal of Immunology*, **2020**, 205, 3491-3499	5.3	26
193	Serological Screening of Influenza A Virus Antibodies in Cats and Dogs Indicates Frequent Infection with Different Subtypes. *Journal of Clinical Microbiology*, **2020**, 58,	9.7	4
192	Mutation of the second sialic acid-binding site of influenza A virus neuraminidase drives compensatory mutations in hemagglutinin. *PLoS Pathogens*, **2020**, 16, e1008816	7.6	7
191	Dynamic remodelling of the human host cell proteome and phosphoproteome upon enterovirus infection. *Nature Communications*, **2020**, 11, 4332	17.4	7
190	Cryo-EM structure of coronavirus-HKU1 haemagglutinin esterase reveals architectural changes arising from prolonged circulation in humans. *Nature Communications*, **2020**, 11, 4646	17.4	16
189	Rational design of highly potent broad-spectrum enterovirus inhibitors targeting the nonstructural protein 2C **2020**, 18, e3000904		
188	Rational design of highly potent broad-spectrum enterovirus inhibitors targeting the nonstructural protein 2C **2020**, 18, e3000904		
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183	Host factor prioritization for pan-viral genetic perturbation screens using random intercept models and network propagation **2020**, 16, e1007587		
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181	Host factor prioritization for pan-viral genetic perturbation screens using random intercept models and network propagation **2020**, 16, e1007587		
180	Host factor prioritization for pan-viral genetic perturbation screens using random intercept models and network propagation **2020**, 16, e1007587		
179	No evidence for viral small RNA production and antiviral function of Argonaute 2 in human cells. *Scientific Reports*, **2019**, 9, 13752	4.9	13
178	Small molecule ISRIB suppresses the integrated stress response within a defined window of activation. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 2097-2102	11.5	79
177	Human coronaviruses OC43 and HKU1 bind to 9--acetylated sialic acids via a conserved receptor-binding site in spike protein domain A. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 2681-2690	11.5	242
176	The 2nd sialic acid-binding site of influenza A virus neuraminidase is an important determinant of the hemagglutinin-neuraminidase-receptor balance. *PLoS Pathogens*, **2019**, 15, e1007860	7.6	22
175	Origins of Enterovirus Replication Organelles Established by Whole-Cell Electron Microscopy. *MBio*, **2019**, 10,	7.8	27
174	Essential Role of Enterovirus 2A Protease in Counteracting Stress Granule Formation and the Induction of Type I Interferon. *Journal of Virology*, **2019**, 93,	6.6	26
173	Towards a solution to MERS: protective human monoclonal antibodies targeting different domains and functions of the MERS-coronavirus spike glycoprotein. *Emerging Microbes and Infections*, **2019**, 8, 516-530	18.9	86
172	ACBD3 Is an Essential Pan-enterovirus Host Factor That Mediates the Interaction between Viral 3A Protein and Cellular Protein PI4KB. *MBio*, **2019**, 10,	7.8	28
171	Identification of fukinolic acid from Cimicifuga heracleifolia and its derivatives as novel antiviral compounds against enterovirus A71 infection. *International Journal of Antimicrobial Agents*, **2019**, 53, 128-136	14.3	10
170	Lipid Droplets Grease Enterovirus Replication. *Cell Host and Microbe*, **2019**, 26, 149-151	23.4	6
169	Convergent evolution in the mechanisms of ACBD3 recruitment to picornavirus replication sites. *PLoS Pathogens*, **2019**, 15, e1007962	7.6	13
168	Identification of the Cell-Surface Protease ADAM9 as an Entry Factor for Encephalomyocarditis Virus. *MBio*, **2019**, 10,	7.8	12
167	Serological Screening for Coronavirus Infections in Cats. *Viruses*, **2019**, 11,	6.2	17

166	Bypassing pan-enterovirus host factor PLA2G16. *Nature Communications*, **2019**, 10, 3171	17.4	16
165	Fluoxetine Inhibits Enterovirus Replication by Targeting the Viral 2C Protein in a Stereospecific Manner. *ACS Infectious Diseases*, **2019**, 5, 1609-1623	5.5	37
164	Intra-host emergence of an enterovirus A71 variant with enhanced PSGL1 usage and neurovirulence. *Emerging Microbes and Infections*, **2019**, 8, 1076-1085	18.9	8
163	Picornavirus infection induces temporal release of multiple extracellular vesicle subsets that differ in molecular composition and infectious potential. *PLoS Pathogens*, **2019**, 15, e1007594	7.6	26
162	Development and Validation of a S1 Protein-Based ELISA for the Specific Detection of Antibodies against Equine Coronavirus. *Viruses*, **2019**, 11,	6.2	4
161	Foot-and-Mouth Disease Virus Leader Protease Cleaves G3BP1 and G3BP2 and Inhibits Stress Granule Formation. *Journal of Virology*, **2019**, 93,	6.6	42
160	Irreversible inactivation of ISG15 by a viral leader protease enables alternative infection detection strategies. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 2371-2376	11.5	41
159	The life cycle of non-polio enteroviruses and how to target it. *Nature Reviews Microbiology*, **2018**, 16, 368-381	22.2	163
158	Role of enhanced receptor engagement in the evolution of a pandemic acute hemorrhagic conjunctivitis virus. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 397-402	11.5	32
157	Interferon-beta expression and type I interferon receptor signaling of hepatocytes prevent hepatic necrosis and virus dissemination in Coxsackievirus B3-infected mice. *PLoS Pathogens*, **2018**, 14, e1007233	7.6	11
156	Posaconazole inhibits dengue virus replication by targeting oxysterol-binding protein. *Antiviral Research*, **2018**, 157, 68-79	10.8	25
155	Substrate Binding by the Second Sialic Acid-Binding Site of Influenza A Virus N1 Neuraminidase Contributes to Enzymatic Activity. *Journal of Virology*, **2018**, 92,	6.6	20
154	Kinetic analysis of the influenza A virus HA/NA balance reveals contribution of NA to virus-receptor binding and NA-dependent rolling on receptor-containing surfaces. *PLoS Pathogens*, **2018**, 14, e1007233	7.6	61
153	Molecular basis for the acid-initiated uncoating of human enterovirus D68. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E12209-E12217	11.5	23
152	Structure-activity relationship study of itraconazole, a broad-range inhibitor of picornavirus replication that targets oxysterol-binding protein (OSBP). *Antiviral Research*, **2018**, 156, 55-63	10.8	14
151	Broad receptor engagement of an emerging global coronavirus may potentiate its diverse cross-species transmissibility. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E5135-E5143	11.5	129
150	PLA2G16 represents a switch between entry and clearance of Picornaviridae. *Nature*, **2017**, 541, 412-416	50.4	117
149	Uncovering oxysterol-binding protein (OSBP) as a target of the anti-enteroviral compound TTP-8307. *Antiviral Research*, **2017**, 140, 37-44	10.8	29

148	Mutation of the Second Sialic Acid-Binding Site, Resulting in Reduced Neuraminidase Activity, Preceded the Emergence of H7N9 Influenza A Virus. *Journal of Virology*, **2017**, 91,	6.6	33
147	Betacoronavirus Adaptation to Humans Involved Progressive Loss of Hemagglutinin-Esterase Lectin Activity. *Cell Host and Microbe*, **2017**, 21, 356-366	23.4	56
146	Viral rewiring of cellular lipid metabolism to create membranous replication compartments. *Current Opinion in Cell Biology*, **2017**, 47, 24-33	9	69
145	Direct-acting antivirals and host-targeting strategies to combat enterovirus infections. *Current Opinion in Virology*, **2017**, 24, 1-8	7.5	49
144	Aminopeptidase N is not required for porcine epidemic diarrhea virus cell entry. *Virus Research*, **2017**, 235, 6-13	6.4	47
143	Modulation of proteolytic polyprotein processing by coxsackievirus mutants resistant to inhibitors targeting phosphatidylinositol-4-kinase IIIβ or oxysterol binding protein. *Antiviral Research*, **2017**, 147, 86-90	10.8	9
142	Escaping Host Factor PI4KB Inhibition: Enterovirus Genomic RNA Replication in the Absence of Replication Organelles. *Cell Reports*, **2017**, 21, 587-599	10.6	28
141	Highly Pathogenic Influenza A(H5Nx) Viruses with Altered H5 Receptor-Binding Specificity. *Emerging Infectious Diseases*, **2017**, 23, 220-231	10.2	40
140	Deletion of Cytoplasmic Double-Stranded RNA Sensors Does Not Uncover Viral Small Interfering RNA Production in Human Cells. *MSphere*, **2017**, 2,	5	15
139	Identification of sialic acid-binding function for the Middle East respiratory syndrome coronavirus spike glycoprotein. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E8508-E8517	11.5	216
138	Early endonuclease-mediated evasion of RNA sensing ensures efficient coronavirus replication. *PLoS Pathogens*, **2017**, 13, e1006195	7.6	131
137	An siRNA screen for ATG protein depletion reveals the extent of the unconventional functions of the autophagy proteome in virus replication. *Journal of Cell Biology*, **2016**, 214, 619-35	7.3	40
136	Structure and Genome Release Mechanism of the Human Cardiovirus Saffold Virus 3. *Journal of Virology*, **2016**, 90, 7628-39	6.6	12
135	Identification of Residues That Affect Oligomerization and/or Enzymatic Activity of Influenza Virus H5N1 Neuraminidase Proteins. *Journal of Virology*, **2016**, 90, 9457-70	6.6	22
134	Cellular entry of the porcine epidemic diarrhea virus. *Virus Research*, **2016**, 226, 117-127	6.4	77
133	Infectious Bronchitis Coronavirus Limits Interferon Production by Inducing a Host Shutoff That Requires Accessory Protein 5b. *Journal of Virology*, **2016**, 90, 7519-7528	6.6	43
132	Sensing of latent EBV infection through exosomal transfer of 5′pppRNA. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E587-96	11.5	99
131	Fat(al) attraction: Picornaviruses Usurp Lipid Transfer at Membrane Contact Sites to Create Replication Organelles. *Trends in Microbiology*, **2016**, 24, 535-546	12.4	64

130	Screening of a Library of FDA-Approved Drugs Identifies Several Enterovirus Replication Inhibitors That Target Viral Protein 2C. *Antimicrobial Agents and Chemotherapy*, **2016**, 60, 2627-38	5.9	49
129	Enterovirus D68 receptor requirements unveiled by haploid genetics. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 1399-404	11.5	63
128	Neurotropism of Saffold virus in a mouse model. *Journal of General Virology*, **2016**, 97, 1350-1355	4.9	4
127	Building Viral Replication Organelles: Close Encounters of the Membrane Types. *PLoS Pathogens*, **2016**, 12, e1005912	7.6	71
126	Middle East Respiratory Coronavirus Accessory Protein 4a Inhibits PKR-Mediated Antiviral Stress Responses. *PLoS Pathogens*, **2016**, 12, e1005982	7.6	111
125	Mutations in Encephalomyocarditis Virus 3A Protein Uncouple the Dependency of Genome Replication on Host Factors Phosphatidylinositol 4-Kinase IIIand Oxysterol-Binding Protein. *MSphere*, **2016**, 1,	5	16
124	An IFIH1 gene polymorphism associated with risk for autoimmunity regulates canonical antiviral defence pathways in Coxsackievirus infected human pancreatic islets. *Scientific Reports*, **2016**, 6, 39378	4.9	34
123	Coronavirus receptor switch explained from the stereochemistry of protein-carbohydrate interactions and a single mutation. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E3111-9	11.5	31
122	Immunologic defects in severe mucocutaneous HSV-2 infections: Response to IFN-therapy. *Journal of Allergy and Clinical Immunology*, **2016**, 138, 895-898	11.5	4
121	Characterization of Epitope-Specific Anti-Respiratory Syncytial Virus (Anti-RSV) Antibody Responses after Natural Infection and after Vaccination with Formalin-Inactivated RSV. *Journal of Virology*, **2016**, 90, 5965-5977	6.6	33
120	Feline Calicivirus Infection Disrupts Assembly of Cytoplasmic Stress Granules and Induces G3BP1 Cleavage. *Journal of Virology*, **2016**, 90, 6489-6501	6.6	35
119	Tyrphostin AG1478 Inhibits Encephalomyocarditis Virus and Hepatitis C Virus by Targeting Phosphatidylinositol 4-Kinase III*Antimicrobial Agents and Chemotherapy*, **2016**, 60, 6402-6	5.9	9
118	GBF1- and ACBD3-independent recruitment of PI4KIIIto replication sites by rhinovirus 3A proteins. *Journal of Virology*, **2015**, 89, 1913-8	6.6	34
117	Stress granules regulate double-stranded RNA-dependent protein kinase activation through a complex containing G3BP1 and Caprin1. *MBio*, **2015**, 6, e02486	7.8	82
116	The RNA template channel of the RNA-dependent RNA polymerase as a target for development of antiviral therapy of multiple genera within a virus family. *PLoS Pathogens*, **2015**, 11, e1004733	7.6	44
115	Targeting of the hydrophobic metabolome by pathogens. *Traffic*, **2015**, 16, 439-60	5.7	10
114	Antiviral Activity of Broad-Spectrum and Enterovirus-Specific Inhibitors against Clinical Isolates of Enterovirus D68. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 7782-5	5.9	44
113	Synergistic antiviral activity of gemcitabine and ribavirin against enteroviruses. *Antiviral Research*, **2015**, 124, 1-10	10.8	51

112	Complexity and Diversity of the Mammalian Sialome Revealed by Nidovirus Virolectins. *Cell Reports*, **2015**, 11, 1966-78	10.6	47
111	Knockout of cGAS and STING Rescues Virus Infection of Plasmid DNA-Transfected Cells. *Journal of Virology*, **2015**, 89, 11169-73	6.6	32
110	Rapid Emergence of Highly Pathogenic Avian Influenza Subtypes from a Subtype H5N1 Hemagglutinin Variant. *Emerging Infectious Diseases*, **2015**, 21, 842-6	10.2	60
109	Replication and Inhibitors of Enteroviruses and Parechoviruses. *Viruses*, **2015**, 7, 4529-62	6.2	91
108	Modulation of the Host Lipid Landscape to Promote RNA Virus Replication: The Picornavirus Encephalomyocarditis Virus Converges on the Pathway Used by Hepatitis C Virus. *PLoS Pathogens*, **2015**, 11, e1005185	7.6	70
107	A Single Point Mutation Creating a Furin Cleavage Site in the Spike Protein Renders Porcine Epidemic Diarrhea Coronavirus Trypsin Independent for Cell Entry and Fusion. *Journal of Virology*, **2015**, 89, 8077-81	6.6	23
106	Broad-range inhibition of enterovirus replication by OSW-1, a natural compound targeting OSBP. *Antiviral Research*, **2015**, 117, 110-4	10.8	52
105	Sialic acid-dependent cell entry of human enterovirus D68. *Nature Communications*, **2015**, 6, 8865	17.4	70
104	In silico structure-based design and synthesis of novel anti-RSV compounds. *Antiviral Research*, **2015**, 122, 46-50	10.8	10
103	ATP1A1-mediated Src signaling inhibits coronavirus entry into host cells. *Journal of Virology*, **2015**, 89, 4434-48	6.6	83
102	Cholesterol shuttling is important for RNA replication of coxsackievirus B3 and encephalomyocarditis virus. *Cellular Microbiology*, **2015**, 17, 1144-56	3.9	29
101	Itraconazole inhibits enterovirus replication by targeting the oxysterol-binding protein. *Cell Reports* , **2015**, 10, 600-15	10.6	162
100	Integrative Genomics-Based Discovery of Novel Regulators of the Innate Antiviral Response. *PLoS Computational Biology*, **2015**, 11, e1004553	5	12
99	Enterovirus-infected cells induce distinct response patterns in BDCA1+ and BDCA3+ human dendritic cells. *PLoS ONE*, **2015**, 10, e0121670	3.7	7
98	Recombinant Soluble Respiratory Syncytial Virus F Protein That Lacks Heptad Repeat B, Contains a GCN4 Trimerization Motif and Is Not Cleaved Displays Prefusion-Like Characteristics. *PLoS ONE*, **2015**, 10, e0130829	3.7	8
97	Enterovirus 2Apro targets MDA5 and MAVS in infected cells. *Journal of Virology*, **2014**, 88, 3369-78	6.6	141
96	Application of a cell-based protease assay for testing inhibitors of picornavirus 3C proteases. *Antiviral Research*, **2014**, 103, 17-24	10.8	12
95	Rhinovirus uses a phosphatidylinositol 4-phosphate/cholesterol counter-current for the formation of replication compartments at the ER-Golgi interface. *Cell Host and Microbe*, **2014**, 16, 677-90	23.4	137

94	Induction and suppression of innate antiviral responses by picornaviruses. *Cytokine and Growth Factor Reviews*, **2014**, 25, 577-85	17.9	42
93	Proteolytic activation of the porcine epidemic diarrhea coronavirus spike fusion protein by trypsin in cell culture. *Journal of Virology*, **2014**, 88, 7952-61	6.6	79
92	Fitness and virulence of a coxsackievirus mutant that can circumnavigate the need for phosphatidylinositol 4-kinase class III beta. *Journal of Virology*, **2014**, 88, 3048-51	6.6	7
91	Modification of picornavirus genomic RNA using SclickSchemistry shows that unlinking of the VPg peptide is dispensable for translation and replication of the incoming viral RNA. *Nucleic Acids Research*, **2014**, 42, 2473-82	20.1	20
90	Coronavirus cell entry occurs through the endo-/lysosomal pathway in a proteolysis-dependent manner. *PLoS Pathogens*, **2014**, 10, e1004502	7.6	261
89	Binding of glutathione to enterovirus capsids is essential for virion morphogenesis. *PLoS Pathogens* , **2014**, 10, e1004039	7.6	28
88	The crystal structure of a cardiovirus RNA-dependent RNA polymerase reveals an unusual conformation of the polymerase active site. *Journal of Virology*, **2014**, 88, 5595-607	6.6	21
87	Identification and characterization of a proteolytically primed form of the murine coronavirus spike proteins after fusion with the target cell. *Journal of Virology*, **2014**, 88, 4943-52	6.6	24
86	Saffold cardiovirus and multiple sclerosis: no evidence for an association. *Annals of Clinical and Translational Neurology*, **2014**, 1, 618-21	5.3	6
85	Recruitment of PI4KIII□to coxsackievirus B3 replication organelles is independent of ACBD3, GBF1, and Arf1. *Journal of Virology*, **2014**, 88, 2725-36	6.6	55
84	Coxsackievirus cloverleaf RNA containing a 5Striphosphate triggers an antiviral response via RIG-I activation. *PLoS ONE*, **2014**, 9, e95927	3.7	12
83	Dissecting virus entry: replication-independent analysis of virus binding, internalization, and penetration using minimal complementation of □galactosidase. *PLoS ONE*, **2014**, 9, e101762	3.7	9
82	Identification of an LGP2-associated MDA5 agonist in picornavirus-infected cells. *ELife*, **2014**, 3, e01535	8.9	85
81	Identification of a new dengue virus inhibitor that targets the viral NS4B protein and restricts genomic RNA replication. *Antiviral Research*, **2013**, 99, 165-71	10.8	68
80	The receptor binding domain of the new Middle East respiratory syndrome coronavirus maps to a 231-residue region in the spike protein that efficiently elicits neutralizing antibodies. *Journal of Virology*, **2013**, 87, 9379-83	6.6	171
79	Synthesis and biological properties of novel brefeldin A analogues. *Journal of Medicinal Chemistry*, **2013**, 56, 5872-84	8.3	21
78	Evolution of the hemagglutinin protein of the new pandemic H1N1 influenza virus: maintaining optimal receptor binding by compensatory substitutions. *Journal of Virology*, **2013**, 87, 13868-77	6.6	33
77	Cholesterol: fa(s)t-food for enterovirus genome replication. *Trends in Microbiology*, **2013**, 21, 560-1	12.4	3

76	Rhinovirus-induced calcium flux triggers NLRP3 and NLRC5 activation in bronchial cells. *American Journal of Respiratory Cell and Molecular Biology*, **2013**, 49, 923-34	5.7	93
75	MDA5 localizes to stress granules, but this localization is not required for the induction of type I interferon. *Journal of Virology*, **2013**, 87, 6314-25	6.6	68
74	A novel, broad-spectrum inhibitor of enterovirus replication that targets host cell factor phosphatidylinositol 4-kinase III *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 4971-81	5.9	78
73	Manipulation of the porcine epidemic diarrhea virus genome using targeted RNA recombination. *PLoS ONE*, **2013**, 8, e69997	3.7	47
72	Selective serotonin reuptake inhibitor fluoxetine inhibits replication of human enteroviruses B and D by targeting viral protein 2C. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 1952-6	5.9	73
71	Differential susceptibility and response of primary human myeloid BDCA1(+) dendritic cells to infection with different Enteroviruses. *PLoS ONE*, **2013**, 8, e62502	3.7	8
70	XMRV and CFS--the sad end of a story. *Lancet, The*, **2012**, 379, e27-8	40	11
69	(+)RNA viruses rewire cellular pathways to build replication organelles. *Current Opinion in Virology*, **2012**, 2, 740-7	7.5	102
68	MDA5 detects the double-stranded RNA replicative form in picornavirus-infected cells. *Cell Reports*, **2012**, 2, 1187-96	10.6	160
67	Coxsackievirus mutants that can bypass host factor PI4KIII and the need for high levels of PI4P lipids for replication. *Cell Research*, **2012**, 22, 1576-92	24.7	90
66	Cytokine and chemokine production by human pancreatic islets upon enterovirus infection. *Diabetes*, **2012**, 61, 2030-6	0.9	44
65	Unusual loop-sequence flexibility of the proximal RNA replication element in EMCV. *PLoS ONE*, **2011**, 6, e24818	3.7	2
64	Seroepidemiology of Saffold cardiovirus type 2. *Emerging Infectious Diseases*, **2011**, 17, 1572-3	10.2	19
63	Differential IFN-alpha/beta production suppressing capacities of the leader proteins of mengovirus and foot-and-mouth disease virus. *Cellular Microbiology*, **2010**, 12, 310-7	3.9	14
62	Detection of enterovirus RNA in peripheral blood mononuclear cells of type 1 diabetic patients beyond the stage of acute infection. *Viral Immunology*, **2010**, 23, 99-104	1.7	57
61	Differential effects of the putative GBF1 inhibitors Golgicide A and AG1478 on enterovirus replication. *Journal of Virology*, **2010**, 84, 7535-42	6.6	39
60	Cross-talk between human dendritic cell subsets influences expression of RNA sensors and inhibits picornavirus infection. *Journal of Innate Immunity*, **2010**, 2, 360-70	6.9	20
59	Phagocytosis of enterovirus-infected pancreatic beta-cells triggers innate immune responses in human dendritic cells. *Diabetes*, **2010**, 59, 1182-91	0.9	27

58	Viral reorganization of the secretory pathway generates distinct organelles for RNA replication. *Cell*, **2010**, 141, 799-811	56.2	481
57	Prevalence of xenotropic murine leukaemia virus-related virus in patients with chronic fatigue syndrome in the Netherlands: retrospective analysis of samples from an established cohort. *BMJ, The*, **2010**, 340, c1018	5.9	125
56	Mengovirus-induced rearrangement of the nuclear pore complex: hijacking cellular phosphorylation machinery. *Journal of Virology*, **2009**, 83, 3150-61	6.6	55
55	GBF1, a guanine nucleotide exchange factor for Arf, is crucial for coxsackievirus B3 RNA replication. *Journal of Virology*, **2009**, 83, 11940-9	6.6	133
54	Antiapoptotic activity of the cardiovirus leader protein, a viral "security" protein. *Journal of Virology* , **2009**, 83, 7273-84	6.6	40
53	Interactions between viral and prokaryotic pathogens in a mixed infection with cardiovirus and mycoplasma. *Journal of Virology*, **2009**, 83, 9940-51	6.6	6
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10	A human monoclonal antibody blocking SARS-CoV-2 infection		53
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2	Elevated mucosal antibody responses against SARS-CoV-2 are correlated with lower viral load and faster decrease in systemic COVID-19 symptoms	2
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