Marjolein Kikkert

List of Publications by Year
in descending order

40	5,223	172457	302126
papers	citations	29 h-index	39 g-index

48	48	48	8929
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SARS-Coronavirus Replication Is Supported by a Reticulovesicular Network of Modified Endoplasmic Reticulum. PLoS Biology, 2008, 6, e226.	5.6	862
2	SARS-coronavirus-2 replication in Vero E6 cells: replication kinetics, rapid adaptation and cytopathology. Journal of General Virology, 2020, 101, 925-940.	2.9	465
3	Host Factors in Coronavirus Replication. Current Topics in Microbiology and Immunology, 2017, 419, 1-42.	1.1	379
4	Arterivirus molecular biology and pathogenesis. Journal of General Virology, 2013, 94, 2141-2163.	2.9	344
5	Human HRD1 Is an E3 Ubiquitin Ligase Involved in Degradation of Proteins from the Endoplasmic Reticulum. Journal of Biological Chemistry, 2004, 279, 3525-3534.	3.4	318
6	Ovarian Tumor Domain-Containing Viral Proteases Evade Ubiquitin- and ISG15-Dependent Innate Immune Responses. Cell Host and Microbe, 2007, 2, 404-416.	11.0	304
7	Ad26 vector-based COVID-19 vaccine encoding a prefusion-stabilized SARS-CoV-2 Spike immunogen induces potent humoral and cellular immune responses. Npj Vaccines, 2020, 5, 91.	6.0	286
8	Innate Immune Evasion by Human Respiratory RNA Viruses. Journal of Innate Immunity, 2020, 12, 4-20.	3.8	283
9	Viral Innate Immune Evasion and the Pathogenesis of Emerging RNA Virus Infections. Viruses, 2019, 11, 961.	3.3	185
10	Expression and Cleavage of Middle East Respiratory Syndrome Coronavirus nsp3-4 Polyprotein Induce the Formation of Double-Membrane Vesicles That Mimic Those Associated with Coronaviral RNA Replication. MBio, 2017, 8, .	4.1	176
11	Middle East Respiratory Coronavirus Accessory Protein 4a Inhibits PKR-Mediated Antiviral Stress Responses. PLoS Pathogens, 2016, 12, e1005982.	4.7	161
12	Crystal Structure of the Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Papain-like Protease Bound to Ubiquitin Facilitates Targeted Disruption of Deubiquitinating Activity to Demonstrate Its Role in Innate Immune Suppression. Journal of Biological Chemistry, 2014, 289, 34667-34682.	3.4	155
13	Arterivirus and Nairovirus Ovarian Tumor Domain-Containing Deubiquitinases Target Activated RIG-I To Control Innate Immune Signaling. Journal of Virology, 2012, 86, 773-785.	3.4	108
14	Deubiquitinase function of arterivirus papain-like protease 2 suppresses the innate immune response in infected host cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E838-47.	7.1	108
15	Linear Ubiquitination of NEMO Negatively Regulates the Interferon Antiviral Response through Disruption of the MAVS-TRAF3 Complex. Cell Host and Microbe, 2012, 12, 211-222.	11.0	101
16	Capsid-like particles decorated with the SARS-CoV-2 receptor-binding domain elicit strong virus neutralization activity. Nature Communications, 2021, 12, 324.	12.8	79
17	Ubiquitination is essential for human cytomegalovirus US11-mediated dislocation of MHC class I molecules from the endoplasmic reticulum to the cytosol. Biochemical Journal, 2001, 358, 369-377.	3.7	78
18	Prolonged activation of nasal immune cell populations and development of tissue-resident SARS-CoV-2-specific CD8+ T cell responses following COVID-19. Nature Immunology, 2022, 23, 23-32.	14.5	74

#	Article	IF	Citations
19	A Kinome-Wide Small Interfering RNA Screen Identifies Proviral and Antiviral Host Factors in Severe Acute Respiratory Syndrome Coronavirus Replication, Including Double-Stranded RNA-Activated Protein Kinase and Early Secretory Pathway Proteins. Journal of Virology, 2015, 89, 8318-8333.	3.4	68
20	Structure and Function of Viral Deubiquitinating Enzymes. Journal of Molecular Biology, 2017, 429, 3441-3470.	4.2	66
21	Biogenesis and architecture of arterivirus replication organelles. Virus Research, 2016, 220, 70-90.	2.2	65
22	Interaction of the innate immune system with positive-strand RNA virus replication organelles. Cytokine and Growth Factor Reviews, 2017, 37, 17-27.	7.2	55
23	Immunogenicity and efficacy of one and two doses of Ad26.COV2.S COVID vaccine in adult and aged NHP. Journal of Experimental Medicine, 2021, 218, .	8.5	55
24	Integrity of the Early Secretory Pathway Promotes, but Is Not Required for, Severe Acute Respiratory Syndrome Coronavirus RNA Synthesis and Virus-Induced Remodeling of Endoplasmic Reticulum Membranes. Journal of Virology, 2010, 84, 833-846.	3.4	51
25	Papain-Like Protease 1 from Transmissible Gastroenteritis Virus: Crystal Structure and Enzymatic Activity toward Viral and Cellular Substrates. Journal of Virology, 2010, 84, 10063-10073.	3.4	49
26	Potent and selective inhibition of pathogenic viruses by engineered ubiquitin variants. PLoS Pathogens, 2017, 13, e1006372.	4.7	48
27	The Role of Atypical Ubiquitin Chains in the Regulation of the Antiviral Innate Immune Response. Frontiers in Cell and Developmental Biology, 2019, 7, 392.	3.7	44
28	Ad26.COV2.S protects Syrian hamsters against G614 spike variant SARS-CoV-2 and does not enhance respiratory disease. Npj Vaccines, 2021, 6, 39.	6.0	38
29	Viral OTU Deubiquitinases: A Structural and Functional Comparison. PLoS Pathogens, 2014, 10, e1003894.	4.7	33
30	Regulation of the innate immune system by ubiquitin and ubiquitin-like modifiers. Cytokine and Growth Factor Reviews, 2012, 23, 273-282.	7.2	29
31	A third vaccination with a single TÂcell epitope confers protection in a murine model of SARS-CoV-2 infection. Nature Communications, 2022, 13, .	12.8	29
32	Two-Component Nanoparticle Vaccine Displaying Glycosylated Spike S1 Domain Induces Neutralizing Antibody Response against SARS-CoV-2 Variants. MBio, 2021, 12, e0181321.	4.1	28
33	Antiviral Innate Immune Response Interferes with the Formation of Replication-Associated Membrane Structures Induced by a Positive-Strand RNA Virus. MBio, 2016, 7, .	4.1	23
34	Humoral response to SARS-CoV-2 infection among liver transplant recipients. Gut, 2022, 71, 746-756.	12.1	11
35	In vivo assessment of equine arteritis virus vaccine improvement by disabling the deubiquitinase activity of papain-like protease 2. Veterinary Microbiology, 2015, 178, 132-137.	1.9	10
36	Profiling DUBs and Ubl-specific proteases with activity-based probes. Methods in Enzymology, 2019, 618, 357-387.	1.0	10

#	Article	IF	Citations
37	Proteomics approaches for the identification of protease substrates during virus infection. Advances in Virus Research, 2021, 109, 135-161.	2.1	5
38	Immunometabolism pathways as the basis for innovative anti-viral strategies (INITIATE): A Marie Sklodowska-Curie innovative training network. Virus Research, 2020, 287, 198094.	2.2	2
39	A Yellow Fever 17D Virus Replicon-Based Vaccine Platform for Emerging Coronaviruses. Vaccines, 2021, 9, 1492.	4.4	2
40	Arterivirus nsp2 Cysteine Proteinase. , 2013, , 2210-2215.		1