Cyrille Mathieu

List of Publications by Year
in descending order

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41 papers	1,907 citations	279487 23 h-index	288905 40 g-index
49 all docs	49 docs citations	49 times ranked	3072 citing authors

#	Article	IF	Citations
1	Distinct antibody responses to SARS-CoV-2 in children and adults across the COVID-19 clinical spectrum. Nature Immunology, 2021, 22, 25-31.	7.0	403
2	The SARS-CoV-2 envelope and membrane proteins modulate maturation and retention of the spike protein, allowing assembly of virus-like particles. Journal of Biological Chemistry, 2021, 296, 100111.	1.6	211
3	Nipah Virus Uses Leukocytes for Efficient Dissemination within a Host. Journal of Virology, 2011, 85, 7863-7871.	1.5	86
4	Protection Against Henipavirus Infection by Use of Recombinant Adeno-Associated Virusâ€“Vector Vaccines. Journal of Infectious Diseases, 2013, 207, 469-478.	1.9	72
5	A prospective observational study for justification, safety, and efficacy of a third dose of mRNA vaccine in patients receiving maintenance hemodialysis. Kidney International, 2022, 101, 390-402.	2.6	72
6	A General Strategy to Endow Natural Fusion-protein-Derived Peptides with Potent Antiviral Activity. PLoS ONE, 2012, 7, e36833.	1.1	67
7	Type I Interferon Signaling Protects Mice From Lethal Henipavirus Infection. Journal of Infectious Diseases, 2013, 207, 142-151.	1.9	62
8	Fatal Measles Virus Infection Prevented by Brain-Penetrant Fusion Inhibitors. Journal of Virology, 2013, 87, 13785-13794.	1.5	58
9	Nonstructural Nipah Virus C Protein Regulates both the Early Host Proinflammatory Response and Viral Virulence. Journal of Virology, 2012, 86, 10766-10775.	1.5	57
10	Measles Encephalitis: Towards New Therapeutics. Viruses, 2019, 11, 1017.	1.5	54
11	Lethal Nipah Virus Infection Induces Rapid Overexpression of CXCL10. PLoS ONE, 2012, 7, e32157.	1.1	49
12	HSP90 Chaperoning in Addition to Phosphoprotein Required for Folding but Not for Supporting Enzymatic Activities of Measles and Nipah Virus L Polymerases. Journal of Virology, 2016, 90, 6642-6656.	1.5	49
13	Prevention of Measles Virus Infection by Intranasal Delivery of Fusion Inhibitor Peptides. Journal of Virology, 2015, 89, 1143-1155.	1.5	48
14	Measles Fusion Machinery Is Dysregulated in Neuropathogenic Variants. MBio, 2015, 6, .	1.8	45
15	Broad spectrum antiviral activity for paramyxoviruses is modulated by biophysical properties of fusion inhibitory peptides. Scientific Reports, 2017, 7, 43610.	1.6	45
16	Fusion Inhibitory Lipopeptides Engineered for Prophylaxis of Nipah Virus in Primates. Journal of Infectious Diseases, 2018, 218, 218-227.	1.9	45
17	<i>In Vivo</i> Efficacy of Measles Virus Fusion Protein-Derived Peptides Is Modulated by the Properties of Self-Assembly and Membrane Residence. Journal of Virology, 2017, 91, .	1.5	40
18	Hamster organotypic modeling of SARS-CoV-2 lung and brainstem infection. Nature Communications, 2021, 12, 5809.	5.8	37

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19	Henipavirus pathogenesis and antiviral approaches. Expert Review of Anti-Infective Therapy, 2015, 13, 343-354.	2.0	34
20	Viral Entry Properties Required for Fitness in Humans Are Lost through Rapid Genomic Change during Viral Isolation. MBio, 2018, 9, .	1.8	27
21	Heparan Sulfate-Dependent Enhancement of Henipavirus Infection. MBio, 2015, 6, e02427.	1.8	26
22	Analysis of a Subacute Sclerosing Panencephalitis Genotype B3 Virus from the 2009-2010 South African Measles Epidemic Shows That Hyperfusogenic F Proteins Contribute to Measles Virus Infection in the Brain. Journal of Virology, 2019, 93, .	1.5	25
23	Activation of cGAS/STING pathway upon paramyxovirus infection. IScience, 2021, 24, 102519.	1.9	25
24	Intradermal immunisation using the TLR3-ligand Poly (I:C) as adjuvant induces mucosal antibody responses and protects against genital HSV-2 infection. Npj Vaccines, 2016, 1, 16010.	2.9	24
25	Measles Virus Bearing Measles Inclusion Body Encephalitis-Derived Fusion Protein Is Pathogenic after Infection via the Respiratory Route. Journal of Virology, 2019, 93, .	1.5	24
26	Molecular Features of the Measles Virus Viral Fusion Complex That Favor Infection and Spread in the Brain. MBio, 2021, 12, e0079921.	1.8	24
27	Type I Interferon Receptor Signaling Drives Selective Permissiveness of Astrocytes and Microglia to Measles Virus during Brain Infection. Journal of Virology, 2019, 93, .	1.5	22
28	Identification of a Region in the Common Amino-terminal Domain of Hendra Virus P, V, and W Proteins Responsible for Phase Transition and Amyloid Formation. Biomolecules, 2021, 11, 1324.	1.8	20
29	Rapid Screening for Entry Inhibitors of Highly Pathogenic Viruses under Low-Level Biocontainment. PLoS ONE, 2012, 7, e30538.	1.1	19
30	Measles virus infection of human keratinocytes: Possible link between measles and atopic dermatitis. Journal of Dermatological Science, 2017, 86, 97-105.	1.0	15
31	Predictive factors of a viral neutralizing humoral response after a third dose of COVID-19 mRNA vaccine. American Journal of Transplantation, 2022, 22, 1442-1450.	2.6	15
32	High Pathogenicity of Nipah Virus from<i>Pteropus lylei</i>Fruit Bats, Cambodia. Emerging Infectious Diseases, 2020, 26, 104-113.	2.0	12
33	A Bioluminescent 3CLPro Activity Assay to Monitor SARS-CoV-2 Replication and Identify Inhibitors. Viruses, 2021, 13, 1814.	1.5	12
34	Organotypic Brain Cultures: A Framework for Studying CNS Infection by Neurotropic Viruses and Screening Antiviral Drugs. Bio-protocol, 2017, 7, e2605.	0.2	10
35	Inhibiting Human Parainfluenza Virus Infection by Preactivating the Cell Entry Mechanism. MBio, 2019, 10, .	1.8	9
36	Nipah virus W protein harnesses nuclear 14-3-3 to inhibit NF-ÎºB-induced proinflammatory response. Communications Biology, 2021, 4, 1292.	2.0	9

#	Article	IF	Citations
37	Highly Potent Host-Specific Small-Molecule Inhibitor of Paramyxovirus and Pneumovirus Replication with High Resistance Barrier. MBio, 2021, 12, e0262121.	1.8	5
38	Single-chain variable fragment antibody constructs neutralize measles virus infection in vitro and in vivo. Cellular and Molecular Immunology, 2021, 18, 1835-1837.	4.8	3
39	Rapid and Flexible Platform To Assess Anti-SARS-CoV-2 Antibody Neutralization and Spike Protein-Specific Antivirals. MSphere, 2021, 6, e0057121.	1.3	2
40	Transcriptome Signature of Nipah Virus Infected Endothelial Cells. , 0, , .		1
41	Contraintes rÃ©glementaires des Ã©changes de ressources biologiques Ã l'internationalÂ: quand la biodiversitÃ© s'invite lÃ oÃ¹ on ne l'attend pasâ€¦. Virologie, 2016, 20, 73-74.	0.1	0