

Marcel A Mller

List of Publications by Citations

Source: <https://exaly.com/author-pdf/11816328/marcel-a-muller-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

25,745
citations

49
h-index

77
g-index

77
ext. papers

32,688
ext. citations

14.1
avg, IF

7.51
L-index

#	Paper	IF	Citations
74	SARS-CoV-2 Cell Entry Depends on ACE2 and TMPRSS2 and Is Blocked by a Clinically Proven Protease Inhibitor. <i>Cell</i> , 2020 , 181, 271-280.e8	56.2	10629
73	Virological assessment of hospitalized patients with COVID-2019. <i>Nature</i> , 2020 , 581, 465-469	50.4	4168
72	Dipeptidyl peptidase 4 is a functional receptor for the emerging human coronavirus-EMC. <i>Nature</i> , 2013 , 495, 251-4	50.4	1362
71	Severe Acute Respiratory Syndrome Coronavirus 2-Specific Antibody Responses in Coronavirus Disease Patients. <i>Emerging Infectious Diseases</i> , 2020 , 26, 1478-1488	10.2	1055
70	Evidence that TMPRSS2 activates the severe acute respiratory syndrome coronavirus spike protein for membrane fusion and reduces viral control by the humoral immune response. <i>Journal of Virology</i> , 2011 , 85, 4122-34	6.6	711
69	SARS-CoV-2-reactive T cells in healthy donors and patients with COVID-19. <i>Nature</i> , 2020 , 587, 270-274	50.4	688
68	Middle East respiratory syndrome coronavirus neutralising serum antibodies in dromedary camels: a comparative serological study. <i>Lancet Infectious Diseases, The</i> , 2013 , 13, 859-66	25.5	523
67	The SARS-coronavirus-host interactome: identification of cyclophilins as target for pan-coronavirus inhibitors. <i>PLoS Pathogens</i> , 2011 , 7, e1002331	7.6	292
66	Transmission of MERS-coronavirus in household contacts. <i>New England Journal of Medicine</i> , 2014 , 371, 828-35	59.2	288
65	Clinical features and virological analysis of a case of Middle East respiratory syndrome coronavirus infection. <i>Lancet Infectious Diseases, The</i> , 2013 , 13, 745-51	25.5	288
64	Nafamostat Mesylate Blocks Activation of SARS-CoV-2: New Treatment Option for COVID-19. <i>Antimicrobial Agents and Chemotherapy</i> , 2020 , 64,	5.9	281
63	Serological assays for emerging coronaviruses: challenges and pitfalls. <i>Virus Research</i> , 2014 , 194, 175-83	6.4	270
62	Human infection with MERS coronavirus after exposure to infected camels, Saudi Arabia, 2013. <i>Emerging Infectious Diseases</i> , 2014 , 20, 1012-5	10.2	260
61	Viral Shedding and Antibody Response in 37 Patients With Middle East Respiratory Syndrome Coronavirus Infection. <i>Clinical Infectious Diseases</i> , 2016 , 62, 477-483	11.6	259
60	Presence of Middle East respiratory syndrome coronavirus antibodies in Saudi Arabia: a nationwide, cross-sectional, serological study. <i>Lancet Infectious Diseases, The</i> , 2015 , 15, 559-64	25.5	227
59	Cleavage and activation of the severe acute respiratory syndrome coronavirus spike protein by human airway trypsin-like protease. <i>Journal of Virology</i> , 2011 , 85, 13363-72	6.6	219
58	Challenges of convalescent plasma infusion therapy in Middle East respiratory coronavirus infection: a single centre experience. <i>Antiviral Therapy</i> , 2018 , 23, 617-622	1.6	216

57	MERS coronavirus neutralizing antibodies in camels, Eastern Africa, 1983-1997. <i>Emerging Infectious Diseases</i> , 2014 , 20, 2093-5	10.2	206
56	Rapid reconstruction of SARS-CoV-2 using a synthetic genomics platform. <i>Nature</i> , 2020 , 582, 561-565	50.4	205
55	SKP2 attenuates autophagy through Beclin1-ubiquitination and its inhibition reduces MERS-Coronavirus infection. <i>Nature Communications</i> , 2019 , 10, 5770	17.4	192
54	Antibodies against MERS coronavirus in dromedary camels, United Arab Emirates, 2003 and 2013. <i>Emerging Infectious Diseases</i> , 2014 , 20, 552-9	10.2	187
53	Distant relatives of severe acute respiratory syndrome coronavirus and close relatives of human coronavirus 229E in bats, Ghana. <i>Emerging Infectious Diseases</i> , 2009 , 15, 1377-84	10.2	170
52	Virological assessment of hospitalized cases of coronavirus disease 2019		158
51	Antibodies against MERS coronavirus in dromedary camels, Kenya, 1992-2013. <i>Emerging Infectious Diseases</i> , 2014 , 20, 1319-22	10.2	156
50	Replication of human coronaviruses SARS-CoV, HCoV-NL63 and HCoV-229E is inhibited by the drug FK506. <i>Virus Research</i> , 2012 , 165, 112-7	6.4	155
49	Human coronavirus EMC does not require the SARS-coronavirus receptor and maintains broad replicative capability in mammalian cell lines. <i>MBio</i> , 2012 , 3,	7.8	154
48	Efficient replication of the novel human betacoronavirus EMC on primary human epithelium highlights its zoonotic potential. <i>MBio</i> , 2013 , 4, e00611-12	7.8	151
47	Middle East respiratory syndrome coronavirus accessory protein 4a is a type I interferon antagonist. <i>Journal of Virology</i> , 2013 , 87, 12489-95	6.6	143
46	Comparison of seven commercial SARS-CoV-2 rapid point-of-care antigen tests: a single-centre laboratory evaluation study. <i>Lancet Microbe, The</i> , 2021 , 2, e311-e319	22.2	119
45	Targeting membrane-bound viral RNA synthesis reveals potent inhibition of diverse coronaviruses including the middle East respiratory syndrome virus. <i>PLoS Pathogens</i> , 2014 , 10, e1004166	7.6	113
44	Rapid point of care diagnostic tests for viral and bacterial respiratory tract infections--needs, advances, and future prospects. <i>Lancet Infectious Diseases, The</i> , 2014 , 14, 1123-1135	25.5	105
43	p53 down-regulates SARS coronavirus replication and is targeted by the SARS-unique domain and PLpro via E3 ubiquitin ligase RCHY1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E5192-201	11.5	104
42	In-vitro renal epithelial cell infection reveals a viral kidney tropism as a potential mechanism for acute renal failure during Middle East Respiratory Syndrome (MERS) Coronavirus infection. <i>Virology Journal</i> , 2013 , 10, 359	6.1	96
41	SARS-CoV-2 specific antibody responses in COVID-19 patients		88
40	Presence of SARS-CoV-2-reactive T cells in COVID-19 patients and healthy donors		88

39	Link of a ubiquitous human coronavirus to dromedary camels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9864-9	11.5	84
38	Mutations in the Spike Protein of Middle East Respiratory Syndrome Coronavirus Transmitted in Korea Increase Resistance to Antibody-Mediated Neutralization. <i>Journal of Virology</i> , 2019 , 93,	6.6	84
37	Filovirus receptor NPC1 contributes to species-specific patterns of ebolavirus susceptibility in bats. <i>ELife</i> , 2015 , 4,	8.9	76
36	Replicative Capacity of MERS Coronavirus in Livestock Cell Lines. <i>Emerging Infectious Diseases</i> , 2014 , 20, 276-9	10.2	75
35	Investigation of anti-middle East respiratory syndrome antibodies in blood donors and slaughterhouse workers in Jeddah and Makkah, Saudi Arabia, fall 2012. <i>Journal of Infectious Diseases</i> , 2014 , 209, 243-6	7	72
34	Occupational Exposure to Dromedaries and Risk for MERS-CoV Infection, Qatar, 2013-2014. <i>Emerging Infectious Diseases</i> , 2015 , 21, 1422-5	10.2	63
33	Serologic responses of 42 MERS-coronavirus-infected patients according to the disease severity. <i>Diagnostic Microbiology and Infectious Disease</i> , 2017 , 89, 106-111	2.9	62
32	Coronavirus antibodies in African bat species. <i>Emerging Infectious Diseases</i> , 2007 , 13, 1367-70	10.2	55
31	Comparative analysis of Ebola virus glycoprotein interactions with human and bat cells. <i>Journal of Infectious Diseases</i> , 2011 , 204 Suppl 3, S840-9	7	54
30	Polymorphisms in dipeptidyl peptidase 4 reduce host cell entry of Middle East respiratory syndrome coronavirus. <i>Emerging Microbes and Infections</i> , 2020 , 9, 155-168	18.9	53
29	Analysis of SARS-CoV-2-controlled autophagy reveals spermidine, MK-2206, and niclosamide as putative antiviral therapeutics		53
28	SARS-CoV-2-mediated dysregulation of metabolism and autophagy uncovers host-targeting antivirals. <i>Nature Communications</i> , 2021 , 12, 3818	17.4	53
27	Cross-reactive CD4 T cells enhance SARS-CoV-2 immune responses upon infection and vaccination. <i>Science</i> , 2021 , 374, eabh1823	33.3	53
26	Plaque assay for human coronavirus NL63 using human colon carcinoma cells. <i>Virology Journal</i> , 2008 , 5, 138	6.1	51
25	The papain-like protease determines a virulence trait that varies among members of the SARS-coronavirus species. <i>PLoS Pathogens</i> , 2018 , 14, e1007296	7.6	49
24	Infectious Middle East Respiratory Syndrome Coronavirus Excretion and Serotype Variability Based on Live Virus Isolates from Patients in Saudi Arabia. <i>Journal of Clinical Microbiology</i> , 2015 , 53, 2951-5	9.7	43
23	MERS-CoV Antibodies in Humans, Africa, 2013-2014. <i>Emerging Infectious Diseases</i> , 2016 , 22, 1086-9	10.2	43
22	Serologic assessment of possibility for MERS-CoV infection in equids. <i>Emerging Infectious Diseases</i> , 2015 , 21, 181-2	10.2	40

21	Comparison of seven commercial SARS-CoV-2 rapid Point-of-Care Antigen tests		38
20	Seroprevalence and correlates of SARS-CoV-2 neutralizing antibodies from a population-based study in Bonn, Germany. <i>Nature Communications</i> , 2021 , 12, 2117	17.4	34
19	Inhibition of proprotein convertases abrogates processing of the middle eastern respiratory syndrome coronavirus spike protein in infected cells but does not reduce viral infectivity. <i>Journal of Infectious Diseases</i> , 2015 , 211, 889-97	7	33
18	Comparative Serological Study for the Prevalence of Anti-MERS Coronavirus Antibodies in High- and Low-Risk Groups in Qatar. <i>Journal of Immunology Research</i> , 2019 , 2019, 1386740	4.5	32
17	Time Course of MERS-CoV Infection and Immunity in Dromedary Camels. <i>Emerging Infectious Diseases</i> , 2016 , 22, 2171-2173	10.2	31
16	No Serologic Evidence of Middle East Respiratory Syndrome Coronavirus Infection Among Camel Farmers Exposed to Highly Seropositive Camel Herds: A Household Linked Study, Kenya, 2013. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017 , 96, 1318-1324	3.2	28
15	Disease Severity, Fever, Age, and Sex Correlate With SARS-CoV-2 Neutralizing Antibody Responses. <i>Frontiers in Immunology</i> , 2020 , 11, 628971	8.4	21
14	Interferon antagonism by SARS-CoV-2: a functional study using reverse genetics. <i>Lancet Microbe, The</i> , 2021 , 2, e210-e218	22.2	18
13	Impaired performance of SARS-CoV-2 antigen-detecting rapid diagnostic tests at elevated and low temperatures. <i>Journal of Clinical Virology</i> , 2021 , 138, 104796	14.5	15
12	Comparison of Serologic Assays for Middle East Respiratory Syndrome Coronavirus. <i>Emerging Infectious Diseases</i> , 2019 , 25, 1878-1883	10.2	12
11	Serologic Evaluation of MERS Screening Strategy for Healthcare Personnel During a Hospital-Associated Outbreak. <i>Infection Control and Hospital Epidemiology</i> , 2017 , 38, 234-238	2	12
10	SARS-CoV-2 Proteome-Wide Analysis Revealed Significant Epitope Signatures in COVID-19 Patients. <i>Frontiers in Immunology</i> , 2021 , 12, 629185	8.4	11
9	Factors determining human-to-human transmissibility of zoonotic pathogens via contact. <i>Current Opinion in Virology</i> , 2017 , 22, 7-12	7.5	10
8	Epithelial cell lines of the cotton rat (<i>Sigmodon hispidus</i>) are highly susceptible in vitro models to zoonotic Bunya-, Rhabdo-, and Flaviviruses. <i>Virology Journal</i> , 2016 , 13, 74	6.1	6
7	Cutting Edge: Serum but Not Mucosal Antibody Responses Are Associated with Pre-Existing SARS-CoV-2 Spike Cross-Reactive CD4 T Cells following BNT162b2 Vaccination in the Elderly.. <i>Journal of Immunology</i> , 2022 ,	5.3	4
6	Antiviral and Immunomodulatory Effects of Root Extract EPs 7630 in SARS-CoV-2-Infected Human Lung Cells. <i>Frontiers in Pharmacology</i> , 2021 , 12, 757666	5.6	3
5	Cross-reactive CD4+ T cells enhance SARS-CoV-2 immune responses upon infection and vaccination		3
4	Impaired performance of SARS-CoV-2 antigen-detecting rapid tests at elevated temperatures		3

3	Impact of dexamethasone on SARS-CoV-2 concentration kinetics and antibody response in hospitalized COVID-19 patients: results from a prospective observational study. <i>Clinical Microbiology and Infection</i> , 2021 , 27, 1520.e7-1520.e10	9.5	2
2	Serum but not mucosal antibody responses are predicted by pre-existing SARS-CoV-2 spike cross-reactive CD4+ T cells following BNT162b2 vaccination in the elderly		1
1	Functional comparison of MERS-coronavirus lineages reveals increased replicative fitness of the recombinant lineage 5. <i>Nature Communications</i> , 2021 , 12, 5324	17.4	0