

# Christian Drost

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1400248/publications.pdf>

Version: 2024-02-01

24  
papers

13,879  
citations

304602

22  
h-index

580701

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

30965  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced fitness of SARS-CoV-2 variant of concern Alpha but not Beta. <i>Nature</i> , 2022, 602, 307-313.	13.7	79
2	SARS-CoV-2 Beta variant infection elicits potent lineage-specific and cross-reactive antibodies. <i>Science</i> , 2022, 375, 782-787.	6.0	60
3	Defining the risk of SARS-CoV-2 variants on immune protection. <i>Nature</i> , 2022, 605, 640-652.	13.7	117
4	Pausing methotrexate improves immunogenicity of COVID-19 vaccination in elderly patients with rheumatic diseases. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 881-888.	0.5	33
5	An early warning system for emerging SARS-CoV-2 variants. <i>Nature Medicine</i> , 2022, 28, 1110-1115.	15.2	47
6	Hypertension delays viral clearance and exacerbates airway hyperinflammation in patients with COVID-19. <i>Nature Biotechnology</i> , 2021, 39, 705-716.	9.4	129
7	Genomic and epidemiological characteristics of SARS-CoV-2 in Africa. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009335.	1.3	17
8	Seroprevalence and correlates of SARS-CoV-2 neutralizing antibodies from a population-based study in Bonn, Germany. <i>Nature Communications</i> , 2021, 12, 2117.	5.8	70
9	Estimating infectiousness throughout SARS-CoV-2 infection course. <i>Science</i> , 2021, 373, .	6.0	389
10	SARS-CoV-2-mediated dysregulation of metabolism and autophagy uncovers host-targeting antivirals. <i>Nature Communications</i> , 2021, 12, 3818.	5.8	172
11	Cross-reactive CD4 <sup>+</sup> T cells enhance SARS-CoV-2 immune responses upon infection and vaccination. <i>Science</i> , 2021, 374, eabh1823.	6.0	221
12	Temporal omics analysis in Syrian hamsters unravel cellular effector responses to moderate COVID-19. <i>Nature Communications</i> , 2021, 12, 4869.	5.8	68
13	Functional comparison of MERS-coronavirus lineages reveals increased replicative fitness of the recombinant lineage 5. <i>Nature Communications</i> , 2021, 12, 5324.	5.8	11
14	Virus-induced senescence is a driver and therapeutic target in COVID-19. <i>Nature</i> , 2021, 599, 283-289.	13.7	195
15	Untimely TGF $\beta$ 2 responses in COVID-19 limit antiviral functions of NK cells. <i>Nature</i> , 2021, 600, 295-301.	13.7	146
16	Pathogen-associated selection on innate immunity genes (TLR4, TLR7) in a neotropical rodent in landscapes differing in anthropogenic disturbance. <i>Heredity</i> , 2020, 125, 184-199.	1.2	11
17	Diverse variola virus (smallpox) strains were widespread in northern Europe in the Viking Age. <i>Science</i> , 2020, 369, .	6.0	108
18	Chloroquine does not inhibit infection of human lung cells with SARS-CoV-2. <i>Nature</i> , 2020, 585, 588-590.	13.7	370

#	ARTICLE	IF	CITATIONS
19	Rapid reconstruction of SARS-CoV-2 using a synthetic genomics platform. <i>Nature</i> , 2020, 582, 561-565.	13.7	377
20	Crystal structure of SARS-CoV-2 main protease provides a basis for design of improved Î±-ketoamide inhibitors. <i>Science</i> , 2020, 368, 409-412.	6.0	2,527
21	COVID-19 severity correlates with airway epitheliumâ€™immune cell interactions identified by single-cell analysis. <i>Nature Biotechnology</i> , 2020, 38, 970-979.	9.4	887
22	Comparative pathogenesis of COVID-19, MERS, and SARS in a nonhuman primate model. <i>Science</i> , 2020, 368, 1012-1015.	6.0	802
23	Virological assessment of hospitalized patients with COVID-2019. <i>Nature</i> , 2020, 581, 465-469.	13.7	5,822
24	SARS-CoV-2-reactive T cells in healthy donors and patients with COVID-19. <i>Nature</i> , 2020, 587, 270-274.	13.7	1,115