

# Publication list related to COVID-19

## (Researchers of NEKKEN)

[2021]

[Co-infection of SARS-CoV-2 and influenza virus causes more severe and prolonged pneumonia in hamsters.](#)

Kinoshita T, Watanabe K, Sakurai Y, Nishi K, Yoshikawa R, Yasuda J.

Sci Rep. 2021 Oct 28;11(1):21259. doi: 10.1038/s41598-021-00809-2. PMID: 34711897

[A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa.](#)

Wilkinson E, Giovanetti M, Tegally H, San JE, Lessells R, Cuadros D, Martin DP, Rasmussen DA, Zekri AN, Sangare AK, Ouedraogo AS, Sesay AK, Priscilla A, Kemi AS, Olubusuyi AM, Oluwapelumi AOO, Hammami A, Amuri AA, Sayed A, Ouma AEO, Elargoubi A, Ajayi NA, Victoria AF, Kazeem A, George A, Trotter AJ, Yahaya AA, Keita AK, Diallo A, Kone A, Souissi A, Chtourou A, Gutierrez AV, Page AJ, Vinze A, Iranzadeh A, Lambisia A, Ismail A, Rosemary A, Sylverken A, Femi A, Ibrahim A, Marycelin B, Oderinde BS, Bolajoko B, Dhaala B, Herring BL, Njanpop-Lafourcade BM, Kleinhans B, McInnis B, Tegomoh B, Brook C, Pratt CB, Scheepers C, Akoua-Koffi CG, Agoti CN, Peyrefitte C, Daubenberger C, Morang'a CM, Nokes DJ, Amoako DG, Bugembe DL, Park D, Baker D, Doolabh D, Ssemwanga D, Tshiabuila D, Bassirou D, Amuzu DSY, Goedhals D, Omuoyo DO, Maruapula D, Foster-Nyarko E, Lusamaki EK, Simulundu E, Ong'era EM, Ngabana EN, Shumba E, El Fahime E, Lokilo E, Mukantwari E, Philomena E, Belarbi E, Simon-Loriere E, Anoh EA, Leendertz F, Ajili F, Enoch FO, Wasfi F, Abdelmoula F, Mosha FS, Takawira FT, Derrar F, Bouzid F, Onikepe F, Adeola F, Muyembe FM, Tanser F, Dratibi FA, Mbunsu GK, Thilliez G, Kay GL, Githinji G, van Zyl G, Awandare GA, Schubert G, Maphalala GP, Ranaivoson HC, Lemriss H, Anise H, Abe H, Karray HH, Nanumba H, Elgahzaly HA, Gumbo H, Smeti I, Ayed IB, Odia I, Ben Boubaker IB, Gaaloul I, Gazy I, Mudau I, Ssewanyana I, Konstantinus I, Lekana-Douk JB, Makangara JC, Tamfum JM, Heraud JM, Shaffer JG, Giandhari J, Li J, Yasuda J, Mends JQ, Kiconco J, Morobe JM, Gyapong JO, Okolie JC, Kayiwa JT, Edwards JA, Gyamfi J, Farah J, Nakaseegu J, Ngoi JM, Namulondo J, Andeko JC, Lutwama JJ, O'Grady J, Siddle K, Adeyemi KT, Tumedi KA, Said KM, Hae-Young K, Duedu KO, Belyamani L, Fki-Berrajah L, Singh L, Martins LO, Tyers L, Ramuth M, Mastouri M, Aouni M, El Hefnawi M, Matsheka MI, Kebabonye M, Diop M, Turki M, Paye M, Nyaga MM, Mareka M, Damaris MM, Mburu MW, Mpina M, Nwando M, Owusu M, Wiley MR, Youtchou MT, Ayekaba MO, Abouelhoda M, Seadawy MG, Khalifa MK, Sekhele M, Ouadghiri M, Diagne MM, Mwenda M, Allam M, Phan MVT, Abid N, Touil N, Rujeni N, Kharrat N, Ismael N, Dia N, Mabunda N, Hsiao NY, Silochi NB, Nsenga N, Gumede N, Mulder N, Ndodo N, Razanajatovo NH, Iguosadolo N, Judith O, Kingsley OC, Sylvanus O, Peter O, Femi O, Idowu O, Testimony O, Chukwuma OE, Ogah OE, Onwuamah CK, Cyril O, Faye O, Tomori O, Ondo P, Combe P, Semanda P, Oluniyi PE, Arnaldo P, Quashie PK, Dussart P, Bester PA, Mbala PK, Ayivor-Djanie R, Njouom R, Phillips RO, Gorman R, Kingsley RA, Carr RAA, El Kabbaj S, Gargouri S, Masmoudi S, Sankhe S, Lawal SB, Kassim S, Trabelsi S, Metha S, Kammoun S, Lemriss S, Agwa SHA, Calvignac-Spencer S, Schaffner SF, Doumbia S, Mandanda SM, Aryeetey S, Ahmed SS, Elhamoumi S, Andriamananjara S, Tope S, Lekana-Douki S, Prosolek S, Ouangraoua S, Mundeke SA, Rudder S, Panji S, Pillay S, Engelbrecht S, Nabadda S, Behillil S, Budiaki SL, van der Werf S, Mashe T, Aanniz T, Mohale T, Le-Viet T, Schindler T, Anyaneji UJ, Chinedu U, Ramphal U, Jessica U, George U, Fonseca V, Enouf V, Gorova V, Roshdy WH, Ampofo WK, Preiser

W, Choga WT, Bediako Y, Naidoo Y, Butera Y, de Laurent ZR, Sall AA, Rebai A, von Gottberg A, Kouriba B, Williamson C, Bridges DJ, Chikwe I, Bhiman JN, Mine M, Cotten M, Moyo S, Gaseitsiwe S, Saasa N, Sabeti PC, Kaleebu P, Tebeje YK, Tessema SK, Happi C, Nkengasong J, de Oliveira T.

Science. 2021 Oct 22;374(6566):423-431. doi: 10.1126/science.abj4336. Epub 2021 Sep 9.PMID: 34672751

Unrecognized introduction of SARS-CoV-2 variants of concern to Central Africa: Import and local transmission of B.1.1.7 in Gabon in the very early stage of the variant spread to the African continent.

Abe H, Ushijima Y, Bikangui R, Zoa-Assoumou S, Ondo GN, Manouana GP, More A, Skarwan E, Yali-Assy-Oyamli Y, Ndeboko B, Myrabelle Avome Houechenou R, Djoba Siawaya JF, Lell B, Adegnika AA, Yasuda J.

J Med Virol. 2021 Oct;93(10):6054-6058. doi: 10.1002/jmv.27164. Epub 2021 Jul 9.PMID: 34185327

Performance of anti-SARS-CoV-2 antibody testing in asymptomatic or mild COVID-19 patients: A retrospective study in outbreak on a cruise ship.

Kaku N, Nishimura F, Shigeishi Y, Tachiki R, Sakai H, Sasaki D, Ota K, Sakamoto K, Kosai K, Hasegawa H, Izumikawa K, Ariyoshi K, Mukae H, Yasuda J, Morita K, Kohno S, Yanagihara K.

PLoS One. 2021 Sep 28;16(9):e0257452. doi: 10.1371/journal.pone.0257452. eCollection 2021. PMID: 34582459

Epidemiology of Coronavirus Disease Outbreak among Crewmembers on Cruise Ship, Nagasaki City, Japan, April 2020.

Maeda H, Sando E, Toizumi M, Arima Y, Shimada T, Tanaka T, Tashiro M, Fujita A, Yanagihara K, Takayama H, Yasuda I, Kawachi N, Kohayagawa Y, Hasegawa M, Motomura K, Fujita R, Nakata K, Yasuda J, Morita K, Kohno S, Izumikawa K, Suzuki M, Morimoto K.

Emerg Infect Dis. 2021 Sep;27(9):2251-2260. doi: 10.3201/eid2709.204596.

Discrepancies in Infectivity of Flavivirus and SARS-CoV-2 Clinical Samples: An Improved Assay for Infectious Virus Shedding and Viremia Assessment.

Fukuta M, Nguyen CT, Nguyen TTT, Nguyen TTN, Vu TBH, Takemura T, Nguyen LKH, Inoue S, Morita K, Le TQM, Hasebe F, Moi ML.

Int J Environ Res Public Health. 2021 Sep 18;18(18):9845. doi: 0.3390/ijerph18189845. PMID: 34574767

Development and Evaluation of Quantitative Immunoglobulin G Enzyme-Linked Immunosorbent Assay for the Diagnosis of Coronavirus Disease 2019 Using Truncated Recombinant Nucleocapsid Protein as Assay Antigen.

Mutantu PN, Ngwe Tun MM, Nabeshima T, Yu F, Mukadi PK, Tanaka T, Tashiro M, Fujita A, Kanie N, Oshiro R, Takazono T, Imamura Y, Hirayama T, Moi ML, Inoue S, Izumikawa K, Yasuda J, Morita K.

Int J Environ Res Public Health. 2021 Sep 13;18(18):9630. doi: 10.3390/ijerph18189630.PMID: 34574555

[Clinical evaluation of conventional human coronavirus infection in adults.](#)

Akagi K, Kubo T, Miyashita R, Kondo A, Ehara N, Takazono T, Sakamoto N, Mukae H, Morita K, Fukushima K. Jpn J Infect Dis. 2021 Aug 31. doi: 10.7883/yoken.JJID.2021.250. Online ahead of print. PMID: 34470963

[COVID-19 case-clusters and transmission chains in the communities in Japan.](#)

Furuse Y, Tsuchiya N, Miyahara R, Yasuda I, Sando E, Ko YK, Imamura T, Morimoto K, Imamura T, Shobugawa Y, Nagata S, Tokumoto A, Jindai K, Suzuki M, Oshitani H.J Infect. 2021 Aug 11:S0163-4453(21)00399-6. doi: 10.1016/j.jinf.2021.08.016. Online ahead of print. PMID: 34390754 Free PMC article. No abstract available.

[SARS-CoV-2 emerging variants in Africa: view from Gabon.](#)

Zoa-Assoumou S, Ndeboko B, Manouana GP, Houechenou RMA, Bikangui R, Mveang-Nzoghe A, Ondo GN, Mbongo-Kama E, Lell B, Abe H, Ushijima Y, Antchouey AM, Yasuda J, Adegnika AA, Siawaya JFD. Lancet Microbe. 2021 Aug;2(8):e349. doi: 10.1016/S2666-5247(21)00125-7. Epub 2021 Jun 8. PMID: 34124702

[The Antiviral Effect of the Chemical Compounds Targeting DED/EDh Motifs of the Viral Proteins on Lymphocytic Choriomeningitis Virus and SARS-CoV-2](#)

Ngwe Tun MM, Morita K, Ishikawa T, Urata S. Viruses. 2021 Jun 24;13(7):1220. doi: 10.3390/v13071220.

[Epidemiological and clinical characteristics of the first 500 confirmed COVID-19 inpatients in a tertiary infectious disease referral hospital in Manila, Philippines.](#)

Agrupis KA, Smith C, Suzuki S, Villanueva AM, Ariyoshi K, Solante R, Telan EF, Estrada KA, Uichanco AC, Sagurit J, Calayo J, Umpig D, Dela Merced Z, Villarama F, Dimaano E, Villarama JB, Lopez E, Sayo AR. Trop Med Health. 2021 Jun 12;49(1):48. doi: 10.1186/s41182-021-00340-0. PMID: 34118992 Free PMC article.

[Detection of SARS-CoV-2 using qRT-PCR in saliva obtained from asymptomatic or mild COVID-19 patients, comparative analysis with matched nasopharyngeal samples.](#)

Ota K, Yanagihara K, Sasaki D, Kaku N, Uno N, Sakamoto K, Kosai K, Miyazaki T, Hasegawa H, Fujita A, Tashiro M, Tanaka T, Izumikawa K, Ariyoshi K, Mukae H, Yasuda J, Morita K, Kohno S. PLoS One. 2021 Jun 10;16(6):e0252964. doi: 10.1371/journal.pone.0252964. eCollection 2021. PMID: 34111203

[iPSC screening for drug repurposing identifies anti-RNA virus agents modulating host cell susceptibility.](#)

Imamura K, Sakurai Y, Enami T, Shibukawa R, Nishi Y, Ohta A, Shu T, Kawaguchi J, Okada S, Hoenen T, Yasuda J, Inoue H. FEBS Open Bio. 2021 May;11(5):1452-1464. doi: 10.1002/2211-5463.13153. Epub 2021 Apr 6. PMID: 33822489

Stability and Infectivity of SARS-CoV-2 and Viral RNA in Water, Commercial Beverages, and Bodily Fluids.

Fukuta M, Mao ZQ, Morita K, Moi ML.

Front Microbiol. 2021 May 5;12:667956. doi: 0.3389/fmicb.2021.667956. eCollection 2021.PMID: 34025624

Polarized nature of the COVID-19 pandemic in Japan: associations with population age structure and behaviours.

Okumura J.

Trop Med Health. 2021 May 13;49(1):38. doi: 10.1186/s41182-021-00324-0.PMID: 33985579

Behavioural responses and anxiety symptoms during the coronavirus disease 2019 (COVID-19) pandemic in Japan: A large scale cross-sectional study.

Cai G, Lin Y, Lu Y, He F, Morita K, Yamamoto T, Aoyagi K, Taguri T, Hu Z, Alias H, Danaee M, Wong LP.

J Psychiatr Res. 2021 Apr;136:296-305. doi: 10.1016/j.jpsychires.2021.02.008. Epub 2021 Feb 13.PMID: 33631655

Familial Clusters of Coronavirus Disease in 10 Prefectures, Japan, February-May 2020.

Miyahara R, Tsuchiya N, Yasuda I, Ko YK, Furuse Y, Sando E, Nagata S, Imamura T, Saito M, Morimoto K, Imamura T, Shobugawa Y, Nishiura H, Suzuki M, Oshitani H.

Emerg Infect Dis. 2021 Mar;27(3):915-918. doi: 10.3201/eid2703.203882.PMID: 33622475 Free PMC article.

If Not COVID-19 What Is It? Analysis of COVID-19 versus Common Respiratory Viruses among Symptomatic Health Care Workers in a Tertiary Infectious Disease Referral Hospital in Manila, Philippines.

Agrupis KA, Villanueva AMG, Sayo AR, Lazaro J, Han SM, Celis AC, Suzuki S, Uichanco AC, Sagurit J, Solante R,

Yoshida LM, Ariyoshi K, Smith C.Trop Med Infect Dis. 2021 Mar 19;6(1):39. doi: 10.3390/tropicalmed6010039.

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5-amino levulinic acid inhibits SARS-CoV-2 infection in vitro.

Sakurai Y, Ngwe Tun MM, Kurosaki Y, Sakura T, Inaoka DK, Fujine K, Kita K, Morita K, Yasuda J.

Biochem Biophys Res Commun. 2021 Mar 19;545:203-207. doi: 10.1016/j.bbrc.2021.01.091. Epub 2021 Jan 29.PMID: 33571909

COVID-19 outbreak on the Costa Atlantica cruise ship: use of a remote health monitoring system.

Sando E, Morimoto K, Narukawa S, Nakata K.

J Travel Med. 2021 Feb 23;28(2):taaa163. doi: 10.1093/jtm/taaa163.PMID: 32901817 Free PMC article.

[COVID-19 cryptic transmission and genetic information blackouts: Need for effective surveillance policy to better understand disease burden.](#)

Nabeshima T, Takazono T, Ashizawa N, Miyazaki T, Inoue S, Ngwe Tun MM, Izumikawa K, Mukae H, Moi ML, Morita K. Lancet Reg Health West Pac. 2021 Feb;7:100104. doi: 10.1016/j.lanwpc.2021.100104. Epub 2021 Feb 15. PMID: 33615284

[COVID-19 in Germany and China: mitigation versus elimination strategy.](#)

Lu G, Razum O, Jahn A, Zhang Y, Sutton B, Sridhar D, Ariyoshi K, von Seidlein L, Müller O. Glob Health Action. 2021 Jan 1;14(1):1875601. doi: 10.1080/16549716.2021.1875601. PMID: 33472568

[COVID-19 is moving to high-density, poor residential areas in Metropolitan Manila, Philippines.](#)

Villarama EPS, Lopez EB, Sayo AR, Seposo X, Ariyoshi K, Smith C. Western Pac Surveill Response J. 2021 Jan 8;12(1):53-55. doi: 10.5365/wpsar.2020.11.2.003. eCollection 2021 Jan-Mar. PMID: 34094625 Free PMC article. No abstract available.

## [2020]

[Development and evaluation of a rapid and simple diagnostic assay for COVID-19 based on loop-mediated isothermal amplification.](#)

Yoshikawa R, Abe H, Igasaki Y, Negishi S, Goto H, Yasuda J. PLoS Negl Trop Dis. 2020 Nov 4;14(11):e0008855. doi: 10.1371/journal.pntd.0008855. eCollection 2020 Nov. PMID: 33147214

[Implications of human activities for \(re\)emerging infectious diseases, including COVID-19.](#)

Sabin NS, Calliope AS, Simpson SV, Arima H, Ito H, Nishimura T, Yamamoto T. J Physiol Anthropol. 2020 Sep 25;39(1):29. doi: 10.1186/s40101-020-00239-5. PMID: 32977862

[COVID-19 Screening for Healthcare Workers in a Tertiary Infectious Diseases Referral Hospital in Manila, the Philippines.](#)

Villanueva AMG, Lazaro J, Sayo AR, Myat Han S, Ukawa T, Suzuki S, Takaya S, Telan E, Solante R, Ariyoshi K, Smith C. Am J Trop Med Hyg. 2020 Sep;103(3):1211-1214. doi: 10.4269/ajtmh.20-0715. PMID: 32729461

[Cluster-Based Approach to Coronavirus Disease 2019 \(COVID-19\) Response in Japan, from February to April 2020.](#)

Oshitani H; Expert Members of The National COVID-19 Cluster Taskforce at The Ministry of Health, Labour and Welfare, Japan.

Jpn J Infect Dis. 2020 Nov 24;73(6):491-493. doi: 10.7883/yoken.JJID.2020.363. Epub 2020 Jun 30.PMID: 32611985

[Epidemiological and clinical characteristics of patients with suspected COVID-19 admitted in Metro Manila, Philippines.](#)

Salva EP, Villarama JB, Lopez EB, Sayo AR, Villanueva AMG, Edwards T, Han SM, Suzuki S, Seposo X, Ariyoshi K, Smith C.

Trop Med Health. 2020 Jun 22;48:51. doi: 10.1186/s41182-020-00241-8. eCollection 2020.PMID: 32577087

[Clusters of Coronavirus Disease in Communities, Japan, January-April 2020.](#)

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Emerg Infect Dis. 2020 Sep;26(9):2176-9. doi: 10.3201/eid2609.202272. Epub 2020 Jun 10.PMID: 32521222

[COVID-19 screening on a tuberculosis ward in Manila, the Philippines.](#)

Sayo AR, Balinas EGM, Verona JA, Villanueva AMG, Han SM, Suzuki J, Ariyoshi K, Smith C, Solante RM.J Clin Tuberc Other Mycobact Dis. 2020 May 30;20:100167. doi: 10.1016/j.jctube.2020.100167. eCollection 2020 Aug.PMID: 32514471

[Protecting children in low-income and middle-income countries from COVID-19.](#)

Ahmed S, Mvalo T, Akech S, Agwelyu A, Baker K, Bar-Zeev N, Campbell H, Checkley W, Chisti MJ, Colbourn T, Cunningham S, Duke T, English M, Falade AG, Fancourt NS, Ginsburg AS, Graham HR, Gray DM, Gupta M, Hammitt L, Hesseling AC, Hooli S, Johnson AB, King C, Kirby MA, Lanata CF, Lufesi N, Mackenzie GA, McCracken JP, Moschovis PP, Nair H, Oviawe O, Pomat WS, Santosham M, Seddon JA, Thahane LK, Wahl B, Van der Zalm M, Verwey C, Yoshida LM, Zar HJ, Howie SR, McCollum ED.

BMJ Glob Health. 2020 May;5(5):e002844. doi: 10.1136/bmjgh-2020-002844.PMID: 32461228

[First COVID-19 infections in the Philippines: a case report.](#)

Edrada EM, Lopez EB, Villarama JB, Salva Villarama EP, Dagoc BF, Smith C, Sayo AR, Verona JA, Trifalgar-Arches J, Lazaro J, Balinas EGM, Telan EFO, Roy L, Galon M, Florida CHN, Ukawa T, Villanueva AMG, Saito N, Nepomuceno JR, Ariyoshi K, Carlos C, Nicolasora AD, Solante RM.

Trop Med Health. 2020 Apr 14;48:21. doi: 10.1186/s41182-020-00203-0. eCollection 2020.PMID: 32308532

[Severe Acute Respiratory Syndrome Coronavirus 2 Shedding by Travelers, Vietnam, 2020.](#)

Le TQM, Takemura T, Moi ML, Nabeshima T, Nguyen LKH, Hoang VMP, Ung THT, Le TT, Nguyen VS, Pham HQA, Duong TN, Nguyen HT, Ngu DN, Nguyen CK, Morita K, Hasebe F, Dang DA.

[Complete Genome Sequence of a 2019 Novel Coronavirus \(SARS-CoV-2\) Strain Isolated in Nepal.](#)

Sah R, Rodriguez-Morales AJ, Jha R, Chu DKW, Gu H, Peiris M, Bastola A, Lal BK, Ojha HC, Rabaan AA, Zambrano LI, Costello A, Morita K, Pandey BD, Poon LLM.

Microbiol Resour Announc. 2020 Mar 12;9(11):e00169-20. doi: 10.1128/MRA.00169-20. PMID: 32165386

[The first 2019 novel coronavirus case in Nepal.](#)

Bastola A, Sah R, Rodriguez-Morales AJ, Lal BK, Jha R, Ojha HC, Shrestha B, Chu DKW, Poon LLM, Costello A, Morita K, Pandey BD.

Lancet Infect Dis. 2020 Mar;20(3):279-280. doi: 10.1016/S1473-3099(20)30067-0. Epub 2020 Feb 10. PMID: 320572997