

DAFTAR PUSTAKA

- A LM, , Sorayya Ghasemi b C, Genotype and phenotype of COVID-19: Their roles in pathogenesis. Published online 2021:159-163. doi:10.1016/j.jmii.2020.03.022
- Allen, H., A. Vusirikala, J. Flannagan, KA Twohig, A. Zaidi, COG-UK Consortium, N. Groves, J. Lopez-Bernal, R. Harris, A. Charlett, G. Dabrera and MK. Increased household transmission of COVID-19 cases associated with SARS-CoV-2 variant of concern B.1.617.2: Published online 2021:6.
- Ashley Hagen. MS adalah Editor Ilmiah dan Digital untuk American Society for Microbiology dan pembawa acara Microbial Minutes ASM. 2021;(November):6.
- Biswas M, S. Rahaman, T.K Biswas, Z.Haque dan B. Ibrahim. Association of Sex, Age, and Comorbidities with Mortality in COVID-19 Patients: A Systematic Review and Meta-Analysis. *Intervirology*; 2020. 64 : 36-47.
- Boheemen S Van, Graaf M De, Lauber C, et al. Genomic Characterization of a Newly Discovered Coronavirus. *MBio*. 2012;3(6):1-9. doi:10.1128/mBio.00473-12.Editor
- Breadth of concomitant immune responses prior to patient recovery : a case report of non-severe. 2019;1. doi:10.1038/s41591-020-0819-2
- Campbell, D.A.; Valdes, A.M. and Spurr, N. (2000). Making Drug Discovery a SN(i)P. *Drug Discov. Today* 5, 388-396.
- Chand, M., S. Hopkins, G. Dabrera, C. Achison, W. Barclay, N. Ferguson, E. Volz, N. Loman, A. Rambaut and JB. Investigation of novel SARS-COV-2 variant: Variant of concern 202012/01. *Public Health England* 21. Published online 2020:151-156.
- Chaolin Huang, Yeming Wang, Xingwang Li, Lili Ren, Jianping Zhao, Yi Hu, Li Zhang, Guohui Fan, Jiuyang Xu XG, Zhenshun Cheng, Ting Yu, Jiaan Xia, Yuan Wei, Wenjuan Wu, Xuelei Xie, Wen Yin, Hui Li, Min Liu, Yan Xiao, Hong Gao, Li Guo JX, Guangfa Wang, Rongmeng Jiang, Zhancheng Gao, Qi Jin, Jianwei Wang† BC. Since January 2020 Elsevier has created a COVID-19 resource centre with free information in English and Mandarin on the novel coronavirus COVID- research that is available on the COVID-19 resource centre - including this ScienceDirect Clinical characteris. *J Formos Med Assoc*. 2020;(January):19-20.

- Cherian, S., Potdar, V., Jadhav, S., Yadav, P., Gupta, N., Das, M., Rakshit, P., Singh, S., Abraham, P. and Panda, S. (2021): Convergent evolution of SARS-CoV-2 spike mutations, L452R, E484Q and P681R, in the second wave of COVID-19 in Maharashtra, India. *bioRxiv*, doi: <https://doi.org/10.1101/2021.04.22.440932>.
- Colds C. Virus Isolations From Common Colds Occurring In A Residential N R Nnrr rRrTfQ 1 = TIFQI. Published online 1962:82-86.
- Coutinho, RM, FMD Marquitti, LS Ferreira MB, RLP da Silva, O. Canton, TP Portella, S. Poloni CF, MM Plucinski, FC Lessa, AAM da Silva RK, MA de Sousa Mascena Veras and PP. Model-based estimation of transmissibility and reinfection of SARS-CoV-2 P.1 variant. Published online 2021:6.
- Cucinotta D, Vanelli M. WHO Declares COVID-19 a Pandemic. 2020;91(6):157-160. doi:10.23750/abm.v9i1i1.9397
- Davis, C., Logan, N., Tyson, G., Orton, R., Harvey, W., Haughney, J., Perkins, J., Peacock, T.P., Barclay, W.S., Cherepanov, P., Palmarini, M., Murcia, P.R., Patel, A.H., Robertson, D.L., Thomson, E.C. and Willett, B.J. (2021): Reduced neutralisation of the Delta (B.1.617.2) SARS-CoV-2 variant of concern following vaccination. *medRxiv*, doi: <https://doi.org/10.1101/2021.06>.
- De Wit E, Van Doremalen N, Falzarano D, Munster VJ. SARS and MERS: Recent insights into emerging coronaviruses. *Nat Rev Microbiol*. 2016;14(8):523-534. doi:10.1038/nrmicro.2016.81
- Deng, X., Garcia-Knight, M.A., Khalid, M.M., Servellita, V., Wang, C., Morris, M.K., Sotomayor-González, A., Glasner, D.R., Reyes, K.R., Gliwa, A.S., Reddy, N.P., Sanchez San Martin, C., Federman, S., Cheng, J., Balcerak, J., Taylor, J., Streithorst, J.A., Miller, S., Sreekumar, B., Chen, P.Y., Schulze-Gahmen, U., Taha, T.Y., Hayashi, J.M., Simoneau, C.R., Kumar, G.R., McMahon, S., Lidsky, P.V., Xiao, Y., Hemarajata, P., Green, N.M., Espinosa, A., Kath, C., Haw, M., Bell, J., Hacker, J.K., Hanson, C., Wadford, D.A., Anaya, C., Ferguson, D., Frankino, P.A., Shivram, H., Lareau, L.F., Wyman, S.K., Ott, M., Andino, R. and Chiu, C.Y. (2021): Transmission, infectivity, and neutralization of a spike L452R SARS-CoV-2 variant. *Cell*, 184, 3426-3437.e8.
- Deng, X., MA Garcia-Knight, MM Khalid, V. Servellita, C. Wang, MK Morris, A. Sotomayor-González et al, Transmission, infectivity, and neutralization of a spike L452R SARS-CoV-2 variant. Published online 2021.
- Devaux CA, Rolain J- M, Raoult D. ACE2 receptor polymorphism: susceptibility to SARS-CoV-2, hypertension, multi-organ failure, and COVID-19 disease outcome. *J Microbiol Immunol Infect*. 2020;53(3): 425- 435.

- Devaux CA, Rolain J- M, Raoult D. ACE2 receptor polymorphism: susceptibility to SARS- CoV- 2, hypertension, multi- organ failure, and COVID- 19 disease outcome. *J Microbiol Immunol Infect.* 2020;53(3): 425- 435.
- Di Gennaro F, Pizzol D, Marotta C, et al. Coronavirus diseases (COVID-19) current status and future perspectives: A narrative review. *Int J Environ Res Public Health.* 2020;17(8). doi:10.3390/ijerph17082690
- Ding Y, Feng Q, Chen J, Song J. TLR4/NF- κ B signaling pathway gene single nucleotide polymorphisms alter gene expression levels and affect ARDS occurrence and prognosis outcomes. *Kedokteran.* 2019; 98(26):16029
- Du, L., He, Y., Zhou Y et al. The spike protein of SARS-CoV — a target for vaccine and therapeutic development. 2009;2(5):255. ???
- Faria, NR, TA Mellan, C. Whittaker, IM Claro, DDS Candido, S. Mishra, MAE Crispim, FCS Sales, I. Hawryluk, JT McCrone, RJG Hulswit, LAM Franco M, S. Ramundo, JG de Jesus, PS Andrade, TM Coletti, GM Ferreira, CAM Silva, ER Manuli, RHM Pereira, PS Peixoto, MUG Kraemer, N. Gaburo Jr, CDC Camilo, H. Hoeltgebaum, WM Souza, EC Rocha, LM de Souza, MC de Pinho, LJT Araujo, FSV Malta, AB de Lima, JDP Silva, D, J. Laydon, PGT Walker, HM Schlüter ADS, et al. Genomics and epidemiology of the P.1 SARS- CoV-2 lineage in Manaus, Brazil. 2021;372:815-821.
- Fu JYL, Chong YM, Sam IC, Chan YF. SARS-CoV-2 multiplex RT-PCR to detect variants of concern (VOCs) in Malaysia, between January to May 2021. *J Virol Methods.* 2022;301(May 2021):35026305. doi:10.1016/j.jviromet.2022.114462
- Genetic mechanisms of critical illness in COVID-19 _ Enhanced Reader.pdf. Published online 2020. doi:10.1038/s41586-020-03065-y
- Gennaro, F. Di, Pizzol, D., Marotta, C., Antunes, M., Racalbuto, V., Veronese, N., & Smith, L. (2020). Coronavirus Diseases (COVID-19) Current Status and Future Perspectives : A Narrative Review. *International Journal of Environmental Research and Public Health* Environmental Research and Public Health, 17(2690), 1–11. <https://doi.org/10.3390/ijerph17082690>.
- Gu J, Gong E, Zhang B, et al. Multiple organ infection and the pathogenesis of SARS. *J Exp Med.* 2005;202(3):415-424. doi:10.1084/jem.20050828
- Hadi, Sutrisno, 2000, Metodologi Research. Yogyakarta : Andi Yogyakarta.
- Hamano E, Hijikata M IS et al. Polymorphisms of interferon-inducible genes OAS-1 and MxA associated with SARS in the Vietnamese population. *Biochem Biophys Res Commun.* 2005;329(March):1234-1239.

- Higgins-Dunn N. The U.K. has identified a new Covid-19 strain that spreads more quickly. Here's what they know. Cnbc. Published online 2020:2020. <https://www.cnbc.com/2020/12/19/the-uk-has-identified-a-new-covid-19-strain-that-spreads-more-quickly-heres-what-they-know.html>
- Hoffmann M, Kleine-Weber H, Schroeder S, et al. SARS-CoV-2 Cell Entry Depends on ACE2 and TMPRSS2 and Is Blocked by a Clinically Proven Protease Inhibitor. *Cell*. 2020;181(2):271-280.e8. doi:10.1016/j.cell.2020.02.052
- Hu B. Characteristics of SARS-CoV-2 and COVID-19. *Nat Rev Microbiol*. 2019;(December). doi:10.1038/s41579-020-00459-7
- Huang, C., Wang, Y., Li, X., Ren, L., Zhao, J., Hu, Y., ... Gu, X. (2020). Clinical Features of Patients Infected with 2019 Novel Coronavirus in Wuhan , China. *Lancet*, 395, 497–506. [https://doi.org/10.1016/S0140-6736\(20\)30183-5](https://doi.org/10.1016/S0140-6736(20)30183-5).
- Huffman J, Butler-Laporte G KA et al. Alternative splicing of OAS1 alters the risk for severe COVID-19. Published online 2021.
- Ibsen MS, Gad HH, Thavachelvam K, Boesen T, Desprès P, Hartmann R. The 2'-5'-Oligoadenylate Synthetase 3 Enzyme Potently Synthesizes the 2'-5'-Oligoadenylates Required for RNase L Activation. *J Virol*. 2014;88(24):14222-14231. doi:10.1128/jvi.01763-14
- International Human Genome Sequencing Consortium. (2001). Initial sequencing and analysis of the human genome. *Nature*, 409, 860-921.
- Karst M, Hollenhorst J, Achenbach J. Life- threatening course in coronavirus disease 2019 (COVID- 19): Is there a link to methylenetetrahydrofolic acid reductase (MTHFR) polymorphism and hyperhomocysteinemia? *Med Hypotheses*. 2020;144:110
- Khan, A., DQ Wei, K. Kousar, J. Abubaker, S. Ahmad JA, F. Al-Mulla, SS Ali, N. Nizam-Uddin, AM Sayaf and AM.) Preliminary structural data revealed that the SARS-CoV-2 B.1.617 variant's RBD binds to ACE2 receptor stronger than the wild type to enhance the infectivity. Published online 2021:6.
- Kristiansen H, Gad HH, Eskildsen-Larsen S, Despres P HR. The oli- goadenylate synthetase family: An ancient protein family with multiple antiviral ac- tivities. *J Interferon Cytokine Sist Otot*. 2011;31:41-47. <http://eprints.uanl.mx/5481/1/1020149995.PDF>
- Lapostolle F, Schneider E, Vianu I, et al. Clinical features of 1487 COVID-19 patients with outpatient management in the Greater Paris: the COVID-call study. *Intern Emerg Med*. 2020;15(5):813-817. doi:10.1007/s11739-020-02379-z

- Lapostolle, F., Schneider, E., Vianu, I., Dollet, G., Roche, B., Berdah, J., ... Adnet, F. (2020). Clinical Features of 1487 COVID-19 Patients with Outpatient Management in the Greater Paris: the COVID Call Study. *Internal and Emergency Medicine*, (0123456789). <https://doi.org/10.1007/s11739-020-02379-z>.
- Lavan AH dan P. Gallagher. Predicting Risk of Adverse drug Reactions in Older Adults. *Ther Adv Drug Saf*; 2016.7(1):11-22.
- Lazarevic I, Pravica V, Miljanovic D, Cupic M. Immune evasion of sars-cov-2 emerging variants: What have we learnt so far? *Viruses*. 2021;13(7). doi:10.3390/v13071192
- Leng J. dan D.R. Goldstein. Impact of Aging on Viral Infection. *Microbes Infect*; 2010. 12(14-15): 1120-4.
- Levani, Prastya, Mawaddatunnadila. Coronavirus Disease 2019 (COVID-19): Patogenesis, Manifestasi Klinis dan Pilihan Terapi. *J Kedokt dan Kesehat*. 2021;17(1):44-57. <https://jurnal.umj.ac.id/index.php/JKK/article/view/6340>
- Li F, Li W, Farzan M HS. Structure of SARS coronavirus Spike receptor-binding domain complexed with receptor. 2005;309:1864–1868.
- Li Q, Guan X, Wu P, et al. Early Transmission Dynamics in Wuhan, China, of Novel Coronavirus–Infected Pneumonia. *N Engl J Med*. 2020;382(13):1199-1207. doi:10.1056/nejmoa2001316
- Li Y, Banerjee S, Wang Y, et al. Activation of RNase L is dependent on OAS3 expression during infection with diverse human viruses. *Proc Natl Acad Sci U S A*. 2016;113(8):2241-2246. doi:10.1073/pnas.1519657113
- Lim JK et al. Genetic variation in OAS1 is a risk factor for initial infection with West Nile virus in man. 2009;5:1000321.
- Lingeswaran M, Goyal T, Ghosh R, et al. Inflammation, Immunity and Immunogenetics in COVID-19: A Narrative Review. *Indian J Clin Biochem*. 2020;35(3):260-273. doi:10.1007/s12291-020-00897-3
- Lingeswaran, M., Goyal, T., Ghosh, R., & Suri, S. (2020). Inflammation , Immunity and Immunogenetics in COVID-19: A Narrative Review. *Indian Journal of Clinical Biochemistry*, 35(3), 260–273. <https://doi.org/10.1007/s12291-020-00897-3>.
- Liu, Z.; VanBlargan, LA; Bloyet, LM; Rothlauf, PW; Chen, RE; Stumpf, S.; Zhao, H.; Errico, JM; Theel, ES; Liebeskind, MJ; dkk. Identification of SARS-CoV-2 spike

- mutations that attenuate monoclonal and serum antibody neutralization. *Cell Host Microbe* 2021, 29, 477–488.e4. [CrossRef] [PubMed]
- Mandal S, Abebe F CJ. 2'-5' oligoadenylate synthetase 1 polymorphism is associated with prostate cancer. 2011;117(24):5509–5518. <http://dx.doi.org/10.1016/j.chom.2011.11.011>.
- María Teresa Sánchez-González, Oscar Cienfuegos-Jiménez, Salomón Ivarez, et al. Prevalence of SNP rs10774671 of the OAS1 gene in Mexico as a possible predisposing factor for RNA virus disease. *Universitas Otonom Nuevo León. Int J Mol Epidemiol Genet* 2021;12(3):52-60.
- Meng H, Xiong R, He R, et al. Since January 2020 Elsevier has created a COVID-19 resource centre with free information in English and Mandarin on the novel coronavirus COVID-19. The COVID-19 resource centre is hosted on Elsevier Connect, the company's public news and information. 2020;(January).
- Motozono, C., M. Toyoda, J. Zahradnik, A. Saito, H. Nasser T, S. Tan, I. Ngare, I. Kimura, K. Uriu, Y. Kosugi, Y. Yue, R. Shimizu, J. Ito, S. Torii, A. Yonekawa, N. Shimono YN, R. Minami, T. Toya, N. Sekiya, T. Fukuhara, Y. Matsuura, G. Schreiber, T. Ikeda, S. Nakagawa, T. Ueno and KS.) SARS-CoV-2 spike L452R variant evades cellular immunity and increases infectivity. *Cell Host Microbe*. 2021;29:1124-1136.
- Osterhaus ADME, Ph D, Fouchier RAM, Ph D. Isolation of a Novel Coronavirus from a Man with Pneumonia in Saudi Arabia. Published online 2012. doi:10.1056/NEJMoa1211721
- Pairo-Castineira, E., Clohisey, S., Klaric, L., Bretherick, A. D., Rawlik, K., Pasko, D., et al. (2020). Genetic Mechanisms of Critical Illness in Covid-19. *Nature* 591 (7848), 92–98.
- Patel VB, Clarke N, Wang Z, Fan D, Parajuli N, Basu R et al. Angiotensin II induced proteolytic cleavage of myocardial ACE2 is mediated by TACE/ADAM-17: a positive feedback mechanism in the RAS. *Journal of Molecular and Cellular Cardiology*. 2014;66:167–7610.
- Prevention centers for disease control and. COVID-19 Klasifikasi dan Definisi Varian SARS-CoV-2 Definisi Kunci Poin-poin Penting Bagaimana Varian Diklasifikasikan. Published online 2021:1-8.
- Riwidikdo, H., 2009, *Statistik Kesehatan Belajar Mudah Teknik Analisis Data Dalam Penelitian Kesehatan (Plus Aplikasi Software SPSS)*, 60-61, Mitra Cendikia Press, Yogyakarta.

- Rutigliano JA, Graham BS. Prolonged production of TNF- α exacerbates illness during respiratory syncytial virus infection. *J Immunol.* 2004;173(5):3408- 3417.
- Saito A, Irie T, Suzuki R, Maemura T, Nasser H UK. SARS -CoV-2 spike P681R mutation, a hallmark of the Delta variant, enhances viral fusogenicity and pathogenicity. Published online 2021.
- Sánchez-gonzález MT, Cienfuegos-jiménez O, Álvarez-cuevas S, Ali A. Prevalence of the SNP rs10774671 of the OAS1 gene in Mexico as a possible predisposing factor for RNA virus disease. 2021;12(3):52-60.
- Saryono. 2009. Metodologi Penelitian Kesehatan. Yogyakarta : Nuha Medika.
- Sofia A. 2021. COVID-19 varian delta dan hal hal yang harus kamu perhatikan. [Internet] [Diakses pada 14 September 2021].
- St. Geme JW, Rempe KA. *Medical Microbiologi.*; 2018. doi:10.1016/B978-0-323-40181-4.00114-6
- Stoffolano JG. free information in English and Mandarin on the novel coronavirus COVID- Water Chemistry and Microbiology. *Adv In Insect Phys.* 2020;57(January):72-80.
- Stoneking, M (2001). Single Nucleotide polymorphisms: From the Evolutionary past. *Nature* 409 (6822), 821-822.
- Supranto, J., *Statistik Teori dan Aplikasi*, Erlangga, Jakarta, 2001.
- Suresh Kumar VC, Mukherjee S, Harne PS, et al. Novelty in the gut: A systematic review and meta-analysis of the gastrointestinal manifestations of COVID-19. *BMJ Open Gastroenterol.* 2020;7(1). doi:10.1136/bmjgast-2020-000417
- Susilo A, Rumende CM, Pitoyo CW, et al. Coronavirus Disease 2019 : Tinjauan Literatur Terkini Coronavirus Disease 2019 : Review of Current Literatures. 2020;7(1):45-67.
- Tegally, H., E. Wilkinson, M. Giovanetti, A. Iranzadeh, V. Fonseca, J. Giandhari, D. Doolabh, S. Pillay, EJ San, N. Msomi, K. Mlisana, A. von Gottberg, S. Walaza, M. Allam, A. Ismail, T. Mohale, AJ Glass, S. Engelbrecht, G. Van Zyl, W. Preiser, F. Petrucc MH, S. Korsman, MA Davies, L. Tyers, I. Mudau, D. York, C. Maslo, D. Goedhals, S. Abrahams, O. Laguda-Akingba, A. Alisoltani-Dehkordi, A. Godzik, CK Wibmer, BT Sewell, J. Lourenço, LCJ Alcantara, SLK Pond, S. Weaver, D. Martin, RJ Lessells, JN Bhiman, C. Will and T de O. Emergence and rapid spread of a new severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2) lineage with multiple spike mutations in South Africa. 2020;2:151-156.

- Tegally, H., E. Wilkinson, RJ Lessells, J. Giandhari SP, N. Msomi, K. Mlisana, JN Bhiman, A. von Gottberg, S. Walaza, V. Fonseca, M. Allam, A. Ismail, AJ Glass, S. Engelbrecht, G. Van Zyl, W. Preiser, C. Williamson FP, A. Sigal, I. Gazy, D. Hardie, N. Hsiao, D. Martin, D. York, D. Goedhals, EJ San, M. Giovanetti, J. Lourenço, LCJ Alcantara and T de O. Sixteen novel lineages of SARS-CoV-2 in South Africa. 2021;27:440-446.
- Tharwat E, Gad G, Nazmy MH, et al. Impact of IL- 27p28 (rs153109) and TNF- α (rs1800629) genetic polymorphisms on the progression of HCV infection in Egyptian patients. *Immunol Invest.* 2019;48(3): 255- 267.
- Torre- Fuentes L, Matías- Guiu J, Hernández- Lorenzo L, et al. ACE2, TMPRSS2, and Furin variants and SARS- CoV- 2 infection in Madrid, Spain. *J Med Virol.* 2021;93(2):863- 869.
- Tribun News. “Update Corona Global 2021 : Indonesia Ada di Peringkat ke-15, dengan Total Infeksi 2.615.529.” Trib News. Published online 2021. <https://www.tribunnews.com/corona/2021/07/14/updatecorona-global-14-juli-2021>
- Twyman, R. Mutation or polymorphism? Wellcome Trust website, http://genome.wellcome.ac.uk/doc_WTD020780.html (2003).
- Umair, M., A. Ikram, M. Salman, N. Badar, SA Haider, Z. Rehman, M. Ammar, MS Rana and QA. Detection and whole-genome sequencing of SARS-CoV-2 B.1.617.2 and B.1.351 variants of concern from Pakistan during the COVID-19 third wave. Published online 2021:6.
- UPDATE 14 Juli: Sebaran 54.517 Kasus Baru Covid-19, Tertinggi di DKI-Jabar Halaman all - Kompas.com. Accessed January 25, 2022. <https://nasional.kompas.com/read/2021/07/14/17291921/update-14-juli-sebaran-54517-kasus-baru-covid-19-tertinggi-di-dki-jabar?page=all>
- Wan Y, Shang J, Graham R, Baric RS LF. Receptor recognition by novel coronavirus from Wuhan: an analysis based on decade-long structural studies of SARS. Published online 2020. doi:10
- Wang, R., Chen, J., Gao, K. and Wei, G.W. (2021): Vaccine-escape and fast-growing mutations in the United Kingdom, the United States, Singapore, Spain, India, and other COVID-19-devastated countries. *Genomics*, 113, 2158-2170.
- WHO :SARS-CoV-2 variants of concern as of 10 February 2022.
- Woo PCY, Huang Y, Lau SKP, Yuen KY. Coronavirus genomics and bioinformatics analysis. *Viruses.* 2010;2(8):1805-1820. doi:10.3390/v2081803

- Wulandari L, Hamidah B, Pakpahan C, et al. Initial study on TMPRSS2 p.Val160Met genetic variant in COVID-19 patients. *Hum Genomics*. 2021;15(1):1-9. doi:10.1186/s40246-021-00330-7
- Xie, X., Liu, Y., Liu, J., Zhang, X., Zou, J., Fontes-Garfias, C.R., Xia, H., Swanson, K.A., Cutler, M., Cooper, D., Menachery, V.D., Weaver, S.C., Dormitzer, P.R. and Shi, P.Y. (2021): Neutralization of SARS-CoV-2 spike 69/70 deletion, E484K and N501Y variants by BNT162b2 vaccine-elicited sera. *Nat. Med.*, 27, 620-621.
- Xu X, Chen P, Wang J, Feng J, Zhou H, Li X, Zhong W HP. Evolution of the novel coronavirus from the ongoing Wuhan outbreak and modeling of its Spike protein for risk of human transmission. Published online 2020:151-156. doi:10.1007
- Yang G, Chen J, Xu F, Bao Z, Yao Y, Zhou J. Association between tumor necrosis factor- α rs1800629 polymorphism and risk of asthma: a meta-analysis. *PLoS One*. 2014;9(6):e99962.
- Yin J, Fu L, Min Y, Sam I, Fun Y. Since January 2020 Elsevier has created a COVID-19 resource centre with free information in English and Mandarin on the novel coronavirus COVID-19. The COVID-19 resource centre is hosted on Elsevier Connect, the company's public news and information. 2020;(January):2020-2023.
- Yuxia Tan, Tingting Yang, Peipei Liu, Liping Chen, Qingwu Tian, et al. Association of the OAS3 rs1859330 G/A genetic polymorphism with severity of enterovirus-71 infection in Chinese Han children; 2017 Aug;162(8):2305-2313.
- Zhang H, Penninger JM, Li Y, Zhong N, Slutsky AS. Angiotensin-converting enzyme 2 (ACE2) as a SARS-CoV-2 receptor: molecular mechanisms and potential therapeutic target. *Intensive Care Med*. 2020;46(4):586-590. doi:10.1007/s00134-020-05985-9
- Zhang Y, Cui X, Ning L, Wei D. The effects of tumor necrosis factor- α (TNF- α) rs1800629 and rs361525 polymorphisms on sepsis risk. *Oncotarget*. 2017;8(67):111456-111469.
- Zhang, W., Davis, B.D., Chen, S.S., Martinez, J.M., Plummer, J.T. and Vail, E. (2021): Emergence of a novel SARS-CoV-2 strain in Southern California, USA. medRxiv, doi: <https://doi.org/10.1101/2021.01.18.21249786>.
- Zhou S, Butler-Laporte G, NT et al. A Neanderthal OAS1 isoform protects individuals of European ancestry against COVID-19 susceptibility and severity. 2021;27:659-667.

- Zhu J et al. Antiviral activity of human OASL protein is mediated by enhancing signaling of the RIG-I RNA sensor. *Territ E Caracter Da Popul Adscrita Da Equipe Saúde Da Família* 905. 2014;40(6):936–948. <http://journal.stainkudus.ac.id/index.php/equilibrium/article/view/1268/1127>
- Zhu N, Zhang D, Wang W, et al. A Novel Coronavirus from Patients with Pneumonia in China, 2019. *N Engl J Med.* 2020;382(8):727-733. doi:10.1056/nejmoa2001017