

DAFTAR PUSTAKA

- Abbot, 2020. *Package Insert Instructions for Afinion CRP on the Alere Afinion Analyzer AS100*. Abbott Diagnostics Technologies. USA.
- Altmann, D.M and Boyton, R.J., 2020. SARS-CoV-2 T Cell Immunity: Specificity, Function, Durability, and Role in Protection, 2020. *Sci Immunol*, Vol.5(160), p.1-6.
- Beig-Parikhani, A., Bazaz, M., Bamehr, H., Fereshteh, S., Amiri, S., Salehi-Vaziri, M., et al., 2021. The Inclusive Review on SARS-CoV-2 Biology, Epidemiology, Diagnosis, and Potential Management Options. In *Curr Microbiol*, Vol. 78, p. 1099–114, Available at <https://doi.org/10.1007/s00284-021-02396-x>.
- Biomerieux, 2018. VIDAS® B R A H M S PCT™, p. 1-26.
- Boechat, J.L., Chora, I., Morais, A., Delgado, L., 2021. The Immune Response to SARS-CoV-2 and COVID-19 Immunopathology - Current Perspectives. In *Pulmonology*, Vol. 27(5), p. 423–37, Available at <https://doi.org/10.1016/j.pulmoe.2021.03.008>.
- Burhan, E., Susanto, A.D., Isbaniah, F., Nasution, S.A., Ginanjar, E., Pitoyo, C.W., et al., 2022. Definisi Kasus dan Derajat Penyakit. In Pedoman Tatalaksana COVID-19, Edisi 4, Jakarta : PDPI, p. 5-10.
- Chen, L.Y.C., Hoiland, R.Y., Stukas, S., Wellington, CL., Sekhon, MS, 2020. Confronting The Controversy: Interleukin-6 and The COVID-19 Cytokine Storm Syndrome. In *European Respiratory Journal*. 2020, Available at <https://doi.org/10.1183/13993003.03006-2020>.
- Chen, J., Zhang, L., Hou, H., Xu, L., Ji, K., 2021. Interleukin-6 Signaling Blockade Treatment For Cytokine Release Syndrome in COVID-19 (Review). *Experimental and Therapeutic Medicine*, Vol. 21(24), Available at <https://doi.org/10.3892/etm.2020.9456>.
- Cobas, 2020. Elecsys IL-6 Manual Kit, USA, p.1-12.
- Dolci, A., Robbiano, C., Aloisio, E., Chibireva, M., Serafini, L., Falvella, F., Pasqualetti, S. and Panteghini, M., 2021. Searching for a Role of Procalcitonin Determination in COVID-19: A Study On A Selected Cohort Of Hospitalized Patients. *Clinical Chemistry and Laboratory Medicine (CCLM)*, Vol. 59 (2), p. 433-440. Available at <https://doi.org/10.1515/cclm-2020-1361>.
- Del Valle, DM., Kim- Schulze, S., Huang, HH., Beckmann, ND., Nirenberg, A., Wang, B., et al., 2020. An Inflammatory Cytokine Signature Predicts COVID-19 Severity and Survival. In *Nat Med*, Vol. 26, p. 1636–1643, Available at <https://doi.org/10.1038/s41591-020-1051-9>.
- El-Shabrawy, M., Alsadik, ME., El-Shafei, M., et al., 2021. Interleukin-6 and C-Reactive Protein/Albumin Ratio as Predictors of COVID-19 Severity and Mortality. In *Egypt J Bronchol*, Vol. 15(5), Available at <https://doi.org/10.1186/s43168-021-00054-1>.
- Eschorn, S and Weitkamp, JH., 2019. Procalcitonin Versus C-Reactive Protein: Review of Kinetics and Performance for Diagnosis of Neonatal Sepsis. In

Journal of Perinatology. Springer Nature America, Available at <https://doi.org/10.1038/s41372-019-0363-4>.

- Erdahl, L., and Ballester, M., 2022. Community-Acquired Pneumonia in the Era of COVID-19, Pratical Evidence-Based Reviews in Emergency Care, Available at <https://www.reliasmedia.com/articles/149264-community-acquired-pneumonia-in-the-era-of-covid-19>.
- Figueroa-Pizano, M.D., Campa-Mada, A.C., Carvajal- Millan, E., Martinez-Robinson, K.G., Chu, A.R., 2021. The Underlying Mechanisms for Severe COVID-19 Progression in People with Diabetes Mellitus: A Critical Review, *AIMS Public Health*, Vol.8 (4), p.720–42, [doi:10.3934/publichealth.2021057](https://doi.org/10.3934/publichealth.2021057).
- Gao, F., Zheng, K. I., Wang, X. B., Sun, Q. F., Pan, K. H., Wang, T. Y., Chen, Y. P., Targher, G., Byrne, C. D., George, J., & Zheng, M. H., 2020a. Obesity Is a Risk Factor for Greater COVID-19 Severity. *Diabetes care*, 43(7), e72–e74. <https://doi.org/10.2337/dc20-0682>.
- Gao, Y., Li, T., Han, M., Li, X., Wu, D., Xu, Y., Zhu, Y., Liu, Y., Wang, X., Wang, L., 2020b. Diagnostic Utility of Clinical Laboratory Data Determinations for Patients with The Severe COVID-19. In *Journal of Medical Virology*, Vol.92(7), p. 791–796. Available at <https://doi.org/10.1002/jmv.25770>.
- Gubernatorova, AO., Gorshkova, EA., Polinova, AI., Drutskaya, MS., 2020. IL-6: Relevance for Immunopathology of SARS-CoV-2 Cytokine and Growth Factor Reviews, Vol. 53, p.13-24. Available at <https://doi.org/10.1016/j.cytopfr.2020.05.009>.
- Guirao, JJ., Cabrera, CM., Jimenez, N., Rincon, L., Rincon, L., Urra, JM., 2020. High Serum IL-6 Values Increase The Risk of Mortality and The Severity of Pneumonia in Patients Diagnosed with COVID-19. In *Molecular Immunology*, Vol.128, Spanyol: Elsevier, p. 64-68.
- Gupta, A., Madhavan, M. V., Sehgal, K., Nair, N., Mahajan, S., Sehrawat, T. S., et al., 2020. Extrapulmonary Manifestations of COVID-19. *Nature Medicine*, 26(7), p. 1017–1032. Available at <https://doi.org/10.1038/s41591-020-0968-3>.
- Hardisman., 2021. Populasi dan Sampling. In Tanya Jawab Metodologi Penelitian Kesehatan, 1st Ed. Yogyakarta: Gosyen Publishing, p. 135-52.
- Herold, T., Jurinovic, V., Arnreich, C., Lipworth, B. J., Hellmuth, J. C., von Bergwelt-Baildon, M., Klein, M., & Weinberger, T., 2020. Elevated levels of IL-6 and CRP predict the need for mechanical ventilation in COVID-19. *The Journal of allergy and clinical immunology*, 146(1), 128–136.e4. <https://doi.org/10.1016/j.jaci.2020.05.008>.
- Hodges, G., Pallisgaard, J., Olsen, AS., McGettigan, P., Andersen, M., Krogager, M., et al., 2020. Association Between Biomarkers and COVID-19 Severity and Mortality: A Nationwide Danish Cohort Study. In *BMJ Open*, 10:e041295. Available at <https://doi:10.1136/bmjopen-2020-041295>.
- Hu, R., Han, C., Pei, S., Yin, M., Chen, X., 2020. Procalcitonin Levels in COVID-19 Patients. In *International Journal of Antimicrobial Agents*, Vol.56 (2), Available at <https://doi.org/10.1016/j.ijantimicag>.
- International Committee on Taxonomy of Viruses-Coronaviridae Study Group (ICTV-CSG), 2020. The Species Severe Acute Respiratory Syndrome-

- related Coronavirus: Classifying 2019-Ncov and Naming It SARS-CoV-2. In *Nature Microbiology*, Vol. 5, p.536-44, Available at <https://doi.org/10.1038/s41564-020-0695-z>.
- Izcovich, A., Ragusa, M.A., Tortosa, F., Lavena-Marzio, M.A., Agnoletti, C., Bengolea, A., *et al.*, 2020. Prognostic Factors for Severity and Mortality in Patients Infected with COVID-19: A Systematic Review. PLoS ONE, Vol.15(11): e0241955, Available at <https://doi.org/10.1371/journal.pone.0241955>.
- Kaysin, A., and Viera, A.J., 2016. Community-Acquired Pneumonia in Adults: Diagnosis and Management, American Family Physicians, Vol.94(9), p.698-706.
- Kementerian Kesehatan Republik Indonesia, 2020. Pedoman Pencegahan dan Pengendalian Coronavirus Disease (COVID-19), Revisi 5. Jakarta: Kementerian Kesehatan RI, p. 17-171.
- Kementerian Kesehatan Republik Indonesia, 2021a. Dashboard Data Kasus *Coronavirus Disease* (COVID-19) di Indonesia. Available at <https://infeksiemerging.kemkes.go.id/dashboard/covid-19>.
- Kementerian Kesehatan Republik Indonesia. 2021b. Keputusan Menteri Kesehatan Republik Indonesia Nomor HK.01.07/MENKES/3602/2021.
- Lau, C.S., Hoo, S.P., Koh, J.M.J., Phua, S.K., Aw, T.C., 2021. Performance of the Roche IL-6 Chemiluminescent Immunoassay in Patients with COVID-like Respiratory symptoms, *Journal of Virological Methods*, Vol.296, Available at <https://doi.org/10.1016/j.jviromet.2021.114224>.
- Leisman, DE., Ronner, L., Pinotti, R., Taylor, MD., Sinha, P., Calfee, CS., *et al.*, 2020. Cytokine Elevation in Severe and Critical COVID -19: A Rapid Systematic Review, Meta-Analysis, and Comparison with Other Inflammatory Syndromes. In *The Lancet. Respiratory medicine*, Vol. 8(12), p.1233-44, Available at [https://doi.org/10.1016/S2213-2600\(20\)30404-5](https://doi.org/10.1016/S2213-2600(20)30404-5).
- Lippi, G and Plebani, M., 2020. Procalcitonin in Patients with Severe Coronavirus Disease 2019 (COVID-19): A Meta-analysis In *Clinica Chimica Acta*, Vol. 505, p. 190-4.
- Lopes-Pacheco, M., Silva, PL., Cruz, FF., Barraglini, D., Robba, C., Pelosi, P., Morales, MM., Neves, CC., Rocco, PRM., 2021. Pathogenesis of Multiple Organ Injury in COVID -19 and Potential Therapeutic Strategies. In *Frontiers in Physiology*, Vol. 12, p. 1-23. Available at <https://doi:10.3389/fphys.2021.593223>.
- Lee, C and Choi, WJ., 2021. Overview of COVID-19 Inflammatory Pathogenesis from The Therapeutic Perspective. In *Arch. Pharm. Res.* Vol. 44, p. 99–116. Available at <https://doi.org/10.1007/s12272-020-01301-7>.
- Lebeau, G., Vagner, D., Frumence, É., Ah-Pine, F., Guillot, X., Nobécourt, E., Raffray, L., Gasque, P., 2020. Deciphering SARS-CoV-2 Virologic and Immunologic Features. In *International Journal of Molecular Sciences*, Vol. 21, p. 2-40. Available at <https://www.semanticscholar.org>.
- Li, C., He, Q., Qian, H., & Liu, J, 2021. Overview of The Pathogenesis of COVID-19 Review. *Experimental and Therapeutic Medicine*, 22, 1011. <https://doi.org/10.3892/etm.2021.10444>.

- Liu, T., Zhang, J., Yang, Y., Ma, H., Li, Z., Zhang, J., *et al.*, 2020a. The Role of Interleukin-6 in Monitoring Severe Case of Coronavirus Disease 2019. In *EMBO Molecular Medicine* Vol. 12, p.1-12, Available at <https://doi.org/10.15252/emmm.202012421>.
- Liu, ZM., Li, JP., Wang, SP., Chen, DY., Zeng, W., Chen, SC., Huang, YH., *et al.*, 2020b. Association of Procalcitonin Levels with The Progression and Prognosis of Hospitalized Patients with COVID-19. In *Int J Med Sci*, Vol. 17(16), p. 2468-76, Available at <https://www.medsci.org/v17p2468.htm>
- Liu, F., Li, L., Xu, M., Wu, J., Luo, D., Zhu, Y., *et al.*, 2020c. Prognostic Value of Interleukin 6, C-Reactive Protein, and Procalcitonin in Patients with COVID-19, *Journal of Clinical Virology*, Vol.127.
- Luan, Y., Yin, C., Yao, Y., 2021. Update Advances on C-Reactive Protein in COVID-19 and Other Viral Infections. In *Front. Immunol.* Vol. 12 (720363), Available at <https://doi.org/10.3389/fimmu.2021.720363>.
- Lugito, NPH., 2021, Is Procalcitonin A Part of Human Immunological Response to SARS-CoV-2 Infection or “Just” A Marker of Bacterial Coinfection?. Current Research. In *Translational Medicine*. Available at <https://doi.org/10.1016/j.retram.2021.103289>.
- Megasari, N.LA., Utsumi, T., Yamani, L.N., Juniaستuti., Gunawan, E., Nishimura, M., *et al.*, 2021. Seroepidemiological Study of SARS-CoV-2 Infection in East Java, Indonesia. In *PloS ONE*, Vol.16(5), Available at <https://doi.org/10.1371/journal.pone.0251234>.
- Memar, MY., Varshochi, M., Shokouhi, B., Asgharzadeh, M., Kafil, HS., 2017. Procalcitonin: The Marker of Pediatric Bacterial Infection. In *Biomedicine & Pharmacotherapy*, Vol. 96, p. 936-43, Available at <https://doi.org/10.1016/j.biopha.2017.11.149>.
- Mina, A., Besien, KV., Platanias, LC., 2020. Hematological Manifestations of COVID-19 In Leukemia and Lymphoma, USA: Tayloy & Francis, p: 1-9.
- Mishu, MA., Samiha, F., Zahan, K., Saha, A., Ferdousee, S., 2021. Multi-organ Dysfunction Due to SARS-CoV-2 Infection: A Comparative Overview, *American Journal of Internal Medicine*, Vol. 9(1), Available at <https://doi.org/10.11648/j.ajim.20210901.15>, p. 26-35.
- Nadeem, R., Elhoufi, A.M., Iqbal, N.E., Obaida, Z.A., Elgohary, D.M., Singh, M.K., 2021. Prediction of Cytokine Storm and Mortality in Patients with COVID-19 Admitted to ICU: Do Markers Tell the Story?, *Dubai Medical Journal*, Vol.4, p.142-50.
- Naqvi, A., Fatima, K., Mohammad, T., Fatima, U., Singh, I. K., Singh, A., Atif, S. M., Hariprasad, G., Hasan, G. M., & Hassan, M. I., 2020. Insights into SARS-CoV-2 Genome, Structure, Evolution, Pathogenesis and Therapies: Structural Genomics Approach. *Biochimica et Biophysica Acta. Molecular Basis of Disease*, 1866(10), Available at <https://doi.org/10.1016/j.bbadiis.2020.165878>.
- Ni, Y., Alu, A., Lei, H., Wang, Y., Wu, M., Wei, X., 2021. Immunological Perspectives on The Pathogenesis, Diagnosis, Prevention and Treatment of COVID-19. In *Molecular Biomedicine*, 2(1), USA, Springer, p. 1-26.
- Nishiga, M., Wang, D.W., Han, Y. *et al.*, 2020. COVID-19 and cardiovascular disease: from basic mechanisms to clinical perspectives. *Nat Rev Cardiol* 17, 543–558, <https://doi.org/10.1038/s41569-020-0413-9>

- Panda, S., Nanda, R., Tripathy, P.S., Mangaraj, M., 2021. Immuno-inflammatory Predictors of Disease Severity in COVID-19: A Systematic Review and Meta-Analysis, *J Family Med Prim*, Vol. 10, p. 1102–16.
- Paudel, R., Dogra, P., Montgomery –Yates, AA., Yataco, AC., 2020. Procalcitonin: A Promising Tool or Just Another Overhyped Test?. In *Int J. Med Sci*, Vol. 17(3), p. 332–37, Available at <https://doi:10.7150/ijms.39367>.
- Peckham, H., de Gruijter, N.M., Raine, C., Radziszewska, A., Ciurtin, C., Wedderburn, L.R., et al., 2020. Male Sex Identified by Global COVID-19 Meta-Analysis As A Risk Factor for Death and ITU Admission. *Nat Commun*, Vol. 11(6317), Available at <https://doi.org/10.1038/s41467-020-19741-6>.
- Pendidikan Berkesinambungan Patologi Klinik (PBPK) 2021, 2021. Challenges and Opportunities in COVID-19 Laboratory Testing, Jakarta: Departemen Patologi Klinik FKUI, p. 1–203.
- Pettit, NN., MacKenzie, E.L., Ridgway, K.P., Ash, D., Patel, B., 2020. Obesity is Associated with Increased Risk for Mortality Among Hospitalized Patients with COVID-19, Vol. 28(10), p. 1806–1810, Available at [www.https://doi.org/10.1002/oby.22941](https://doi.org/10.1002/oby.22941).
- Pitre, T., Jones, A., Su, J., Helmeczi, W., Xu, G., Lee, C., Shamsuddin, A., et al., 2021. Inflammatory Biomarkers As Independent Prognosticators Of 28-Day Mortality for COVID-19 Patients Admitted to General Medicine or ICU Wards: a Retrospective Cohort Study, *Internal and Emergency Medicine*, p. 1–10, Available at <https://doi.org/10.1007/s11739-021-02637-8>.
- Rahman S, Montero MTV, Rowe K, Kirton R, and Kunik F, 2021. Epidemiology, Pathogenesis, Clinical Presentations, Diagnosis and Treatment of COVID-19: A Review of Current Evidence, Expert Review of Clinical Pharmacology, Vol. 14(5), p. 601–621, Available at <https://doi: 10.1080/17512433.2021.1902303>.
- Singh, A.K., Gupta, R., Ghosh, A., Misra, A., 2020. Diabetes in COVID-19: Prevalence, Pathophysiology, Prognosis and Practical Considerations. *Diabetes Metab Syndr Clin Res Rev*. Vol. 14, p. 303–10. doi: [10.1016/j.dsx.2020.04.004](https://doi.org/10.1016/j.dsx.2020.04.004)
- Sha, J., Qie, G., Yao, Q., Sun, W., Wang, C., Zhang, Z., et al., 2021. Sex Differences on Clinical Characteristics, Severity, and Mortality in Adult Patients With COVID-19: A Multicentre Retrospective Study. *Front. Med.* Vol. 8(607059), Available at <https://doi:10.3389/fmed.2021.607059>.
- Shen Y, Cheng C, Zheng Xue, Jin Y, Duan G, Chen M, Chen S, 2021. Elevated Procalcitonin Is Positively Associated with the Severity of COVID-19: A Meta-Analysis Based on 10 Cohort Studies. *Medicina*, Vol. 57(594), p. 1–11 <https://doi.org/10.3390/medicina57060594>.

Shereen, M. A., Khan, S., Kazmi, A., Bashir, N., Siddique, R., 2020. COVID-19 Infection: Origin, Transmission, and Characteristics of Human Coronaviruses. *Journal of Advanced Research*, Vol. 24, p. 91-98.
<https://doi.org/10.1016/j.jare.2020.03.005>.

Stringer D, Braude P, Mynt PK, Evans L, Collins JT, Verduri A, Quinn TJ, Vilches-Moraga A, Stechman MJ, Pearce L, Moug S, et al, 2021. The Role of C-



- Reactive Protein as a Prognostic Marker in COVID-19. International Journal of Epidemiology, Vol. 50(2), p. 420-30.
- Susilo A, Rumende M, Pitoyo CW, Santoso WD, Yulianti M, Herikurniawan, *et al.*, 2020. Coronavirus Disease 2019: Tinjauan Literatur Terkini pada Jurnal Penyakit Dalam Indonesia, Vol. 7 (1), Jakarta: Departemen Ilmu Penyakit Dalam Fakultas Kedokteran Universitas Indonesia-RSUPN dr. Cipto Mangunkusumo, p. 45-67.
- Sun, Y., Guan, X., Jia, L., Xing, N., Cheng, L., Liu, B., Zhang, S., He, K., 2021. Independent and Combined Effects of Hypertension and Diabetes on Clinical Outcomes in Patients with COVID-19: A retrospective cohort study of Huoshen Mountain Hospital and Guanggu Fangcang Shelter Hospital. *Journal of clinical hypertension (Greenwich, Conn.)*, 23(2), 218–231. <https://doi.org/10.1111/jch.14146>
- Tang, Y., Liu, J., Zhang, D., Xu, Z., Ji, J., Wen, C., 2020. Cytokine Storm in COVID-19: The Current Evidence and Treatment Strategies. In *Frontiers in Immunology*, Vol. 11, p. 1708, Available at <https://www.frontiersin.org/article/10.3389/fimmu.2020.01708>.
- Tay, MZ., Poh, CM., Renia, L., MacAry, PA., Ng, LFP., 2020. The Trinity of COVID-19: Immunity, Inflammation and Intervention. In *Nature Reviews, Immunology*. Vol. 20, p. 363-74, Available at <https://doi.org/10.1038/s41577-020-0311-8>.
- Terpos E, Ntanasis-Stathopoulos I, Elalamy I, Kastritis E, Sergentanis TN, Politou M, *et al.*, 2020. Hematological Findings and Complications of COVID-19. In *American Journal of Hematology*, Vol. 95, Athena: Wiley, p: 834-47.
- Triggle, CR., Bansal, D., Ding, H., Islam, MM., Farag, EABA., Hadi, HA., Sultan, AA., 2021. A Comprehensive Review of Viral Characteristics, Transmission, Pathophysiology, Immune Response, and Management of SARS-CoV-2 and COVID-19 as a Basis for Controlling the Pandemic. In *Front. Immunol.* 12:631139. Available at <https://doi:10.3389/fimmu.2021.631139>.
- Uciechowski, P., Dempke, WCM., 2020. Interleukin-6: A Masterplayer in The Cytokine Network In *Karger Oncology Review*. Vol. 5, p.1-7, Available at <https://doi:10.1159/000505099>.
- Van Eeden, C., Khan, L., Osman, M.S., Tervaert, J.W.C., 2020. Natural Killer Cell Dysfunction and Its Role in COVID-19, *Int J Mol Sci*, Vol.21, p.1-18.
- Vazzana, N., Dipaola, F., Ognibene, S., 2022. Procalcitonin and secondary bacterial infections in COVID-19: association with disease severity and outcomes. *Acta clinica Belgica*, Vol. 77(2), p.268–272. Available at <https://doi.org/10.1080/17843286.2020.1824749>
- World Health Organization, 2021. WHO *Coronavirus Disease 2019 (COVID-19) Dashboard*. WHO Health Emergency Dashboard, Available at <https://covid19.who.int>.
- World Health Organization, 2020. Transmission of SARS- CoV-2: Implications for Infection Prevention Precautions: Scientific Brief, 09 July 2020. Available at <https://apps.who.int/iris/handle/10665/333114>.
- Wiersinga, WJ., Rhodes, A., Cheng, AC., Peacock, SJ., Prescott, HC., 2020. Pathophysiology, Transmission, Diagnosis, and Treatment of Coronavirus Disease 2019 (COVID-19) A Review. In *Clinical Review & Education*,

Vol. 324(8), Amsterdam: JAMA, p. 782–93, Available at <https://doi:10.1001/jama.2020.12839>.

Wu, C., Chen, X., Cai, Y., et al., 2020. Risk Factors Associated With Acute Respiratory Distress Syndrome and Death in Patients With Coronavirus Disease 2019 Pneumonia in Wuhan, China. *JAMA Intern Med.* Vol.180(7), p.934–43. doi:10.1001/jamainternmed.2020.0994.

Xu, B., Fan, C., Wang, A., Zou, Y., Yu, Y., He, C., et al., 2020. Suppressed T cell-mediated immunity in patients with COVID-19: A clinical retrospective study in Wuhan, China, *Journal of Infection*, Vol.81, p.51-60, Available at <https://doi.org/10.1016/j.jinf.2020.04.012>.

Yan, L., Zhang, H.T., Goncalves, J., Xiao, Y., Wang, M., Guo, Y., et al., 2020. An Interpretable Mortality Prediction Model for COVID-19 Patients. *Nat Mach Intell*, Vol.2(5), p.283–8. Available at <https://doi.org/10.1038/s42256-020-0180-7>.

Yang, L., Liu, S., Liu, J., Zhang, Z., Wan, X., Huang, B., 2020. Covid-19: Immunopathogenesis and Immunotherapeutics in Signal Transduction and Targeted Therapy, p: 1-5

Ye, Q., Wang, B. and Mao, J., 2020. The Pathogenesis and Treatment of the “Cytokine Storm” in COVID-19. *Journal of Infection*, 80, 607-613. Available at <https://doi.org/10.1016/j.jinf.2020.03.037>.

Zhou, F., Yu, T., Du, R., Fan, G., Liu, Y., Liu, Z., et al., 2020. Clinical Course and Risk Factors for Mortality of Adult Inpatients with COVID-19 in Wuhan, China: a Retrospective Cohort Study. In *The Lancet*, Vol. 395(10229), p. 1054-1062, Available at [https://doi.org/10.1016/S0140-6736\(20\)30566-3](https://doi.org/10.1016/S0140-6736(20)30566-3).

