

## DAFTAR PUSTAKA

- Anwar, M. S., Pradisti, M. G., Candra, S. A., Martides, E., Mabururi, E., & Siradj, E. S. (2022). *GROWTH KINETICS OF AUSTENITIC STAINLESS STEEL 316L AND THE RELATIONS BETWEEN GROWTH RATES AND HARDNESS UNDER*. 15–20.
- Bai, S., Zhang, S., Ma, J., Li, J., & Mou, L. (2024). Understanding the effect of decreasing C contents and increasing solid-solution time on intergranular corrosion resistance of 304 austenitic stainless steel. *Journal of Materials Research and Technology*, 30(April), 4750–4761. <https://doi.org/10.1016/j.jmrt.2024.04.132>
- Bowden, L. C., Voss, S., Monroe, J., Bowden, A. E., & Jensen, B. D. (2023). Growth conditions for carbon-infiltrated carbon nanotubes induce corrosion sensitization in 316L stainless steel. *Carbon Trends*, 12(August). <https://doi.org/10.1016/j.cartre.2023.100288>
- Chen, K. J., & Chuang, F. S. (2025). Microstructures and Mechanical Properties of SUS 630 Stainless Steel: Effects of Age Hardening in a Tin Bath and Atmospheric Environments. *Materials*, 18(3). <https://doi.org/10.3390/ma18030574>
- Dai, P., Li, S., Wu, L., Wang, Y., Feng, G., & Deng, D. (2022). A new numerical model to predict welding-induced sensitization in SUS304 austenitic stainless steel joint. *Journal of Materials Research and Technology*, 17, 234–243. <https://doi.org/10.1016/j.jmrt.2022.01.015>
- Dak, G., & Pandey, C. (2020). A critical review on dissimilar welds joint between martensitic and austenitic steel for power plant application. *Journal of Manufacturing Processes*, 58(May), 377–406. <https://doi.org/10.1016/j.jmapro.2020.08.019>
- Fujii, T., Suzuki, M., & Shimamura, Y. (2022). Susceptibility to intergranular corrosion in sensitized austenitic stainless steel characterized via crystallographic characteristics of grain boundaries. *Corrosion Science*, 195(November 2021). <https://doi.org/10.1016/j.corsci.2021.109946>
- Gadioli, A. O., Souza, L. M. de, Pereira, E. C., Monteiro, S. N., & Azevedo, A. R. G. (2024). Imidazolium-based ionic liquids as corrosion inhibitors for stainless steel in different corrosive media: An overview. *Journal of Materials Research and Technology*, 29(January), 803–823. <https://doi.org/10.1016/j.jmrt.2024.01.066>
- Godec, M., & Balantić, D. A. S. (2016). Coarsening behaviour of M23C6 carbides in creep-resistant steel exposed to high temperatures. *Scientific Reports*, 6, 1–7. <https://doi.org/10.1038/srep29734>
- Gonzaga, A. C., Barbosa, C., Tavares, S. S. M., Zeemann, A., & Payaõ, J. C. (2020). Influence of post welding heat treatments on sensitization of AISI 347 stainless steel welded joints. *Journal of Materials Research and Technology*, 9(1), 908–921. <https://doi.org/10.1016/j.jmrt.2019.11.031>
- Grades, A. (n.d.). *Austenitic Grades*. 1–5.
- Gujar, A. (2025). Hardness Testing of Metals: Techniques, Applications, and Insights into Material Properties. *Recent Innovations in Material Engineering*, 1(1), 1–4.

- Gupta, N., & Sen, S. K. (2006). Spheroidisation treatment for steels. *Defence Science Journal*, 56(4), 665–676. <https://doi.org/10.14429/dsj.56.1931>
- Hsieh, C.-C., & Wu, W. (2012). Overview of Intermetallic Sigma ( ) Phase Precipitation in Stainless Steels. *ISRN Metallurgy*, 2012(4), 1–16. <https://doi.org/10.5402/2012/732471>
- Hu, Z.-F. (2012). Heat-Resistant Steels, Microstructure Evolution and Life Assessment in Power Plants. In *Thermal Power Plants* (Number March). <https://doi.org/10.5772/26766>
- Huh, C., & Kim, C. (2022a). Microstructure and Corrosion Characteristics of Austenitic 304 Stainless Steel Subjected to Long-term Aging Heat Treatment. *Journal of the Korean Society of Manufacturing Process Engineers*, 21(1), 56–65. <https://doi.org/10.14775/ksmpe.2022.21.01.056>
- Huh, C., & Kim, C. (2022b). Microstructure and Corrosion Characteristics of Austenitic 304 Stainless Steel Subjected to Long-term Aging Heat Treatment. *Journal of the Korean Society of Manufacturing Process Engineers*, 21(1), 56–65. <https://doi.org/10.14775/ksmpe.2022.21.01.056>
- Iacoviello, D., & Iacoviello, F. (2004). Neural networks application in an aisi 304L intergranular corrosion resistance analysis: Influence of the sensitizing temperature . *Applicazione Delle Reti Neurali Artificiali Nella Caratterizzazione Della Resistenza Alia Corrosione Intergranulare Di Un Acciaio Inossidabile Austenitico AISI 304L: Influenza Della Temperatura Di Sensibilizzazione*, 96(10), 33–40.
- Javidi, M., Haghshenas, S. M. S., & Shariat, M. H. (2020). CO<sub>2</sub> corrosion behavior of sensitized 304 and 316 austenitic stainless steels in 3.5 wt.% NaCl solution and presence of H<sub>2</sub>S. *Corrosion Science*, 163(January 2019). <https://doi.org/10.1016/j.corsci.2019.108230>
- Karolewska, K., Wirwicki, M., & Ligaj, B. (2025). Evaluation of a Method for Determining Material Strength Based on Hardness Measurements: A Case Study of the Ti6Al4V Alloy. *Materials*, 18(16), 1–23. <https://doi.org/10.3390/ma18163726>
- Kolli, S., Javaheri, V., Ohlischläger, T., Kömi, J., & Porter, D. (2020). The importance of steel chemistry and thermal history on the sensitization behavior in austenitic stainless steels: Experimental and modeling assessment. *Materials Today Communications*, 24(January). <https://doi.org/10.1016/j.mtcomm.2020.101088>
- Montanari, R., Lanzutti, A., Richetta, M., Tursunbaev, J., Vaglio, E., Varone, A., & Verona, C. (2022). Plasma Carburizing of Laser Powder Bed Fusion Manufactured 316 L Steel for Enhancing the Surface Hardness. *Coatings*, 12(2), 1–13. <https://doi.org/10.3390/coatings12020258>
- Nakano, T., Kawatani, H., & Kinoshita, S. (1976). Effect of Chromium, Molybdenum, and Vanadium on the Spheroidization of Carbides in 0. 8%C Steel. *Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan*, 62(1), 100–107. [https://doi.org/10.2355/tetsutohagane1955.62.1\\_100](https://doi.org/10.2355/tetsutohagane1955.62.1_100)

- Parvathavarthini, N., & Dayal, R. K. (2002). *Influence of chemical composition , prior deformation and prolonged thermal aging on the sensitization characteristics of austenitic stainless steels*. 305, 209–219.
- Rashid, M. W. A., Gakim, M., Rosli, Z. M., & Azam, M. A. (2012). Formation of Cr<sub>23</sub>C<sub>6</sub> during the sensitization of AISI 304 stainless steel and its effect to pitting corrosion. *International Journal of Electrochemical Science*, 7(10), 9465–9477. [https://doi.org/10.1016/s1452-3981\(23\)16211-0](https://doi.org/10.1016/s1452-3981(23)16211-0)
- Song, Y., Lin, X. M., Yam, M. C. H., Zhang, Y., Ke, K., & Wang, J. (2024). Bearing and tearout of austenitic and duplex stainless steel bolted connections. *Thin-Walled Structures*, 205(June). <https://doi.org/10.1016/j.tws.2024.112585>
- Su, G., Xie, D., Wu, F., Feng, D., Meng, Y., Mei, Y., & Xie, Y. (2024). Corrosion mechanisms of 316L stainless steel in polyphosphoric acid at elevated temperature: Behavior and mechanistic insights. *Corrosion Science*, 236(April). <https://doi.org/10.1016/j.corsci.2024.112277>
- Tokuda, S., Muto, I., Sugawara, Y., & Hara, N. (2020). Pit initiation on sensitized Type 304 stainless steel under applied stress: Correlation of stress, Cr-depletion, and inclusion dissolution. *Corrosion Science*, 167(September 2019). <https://doi.org/10.1016/j.corsci.2020.108506>
- Ummah, M. S. (2019). No 主観的健康感を中心とした在宅高齢者における 健康関連指標に関する共分散構造分析Title. *Sustainability (Switzerland)*, 11(1), 1–14.
- Villanueva, D. M. E., Junior, F. C. P., Plaut, R. L., & Padilha, A. F. (2006). Comparative study on sigma phase precipitation of three types of stainless steels: Austenitic, superferritic and duplex. *Materials Science and Technology*, 22(9), 1098–1104. <https://doi.org/10.1179/174328406X109230>
- Vitek, J. M., David, S. A., Alexander, D. J., Keiser, J. R., & Nanstad, R. K. (1991). Low temperature aging behavior of type 308 stainless steel weld metal. *Acta Metallurgica Et Materialia*, 39(4), 503–516. [https://doi.org/10.1016/0956-7151\(91\)90118-K](https://doi.org/10.1016/0956-7151(91)90118-K)
- Wang, R., Zheng, Z., Zhou, Q., & Gao, Y. (2016). Effect of surface nanocrystallization on the sensitization and desensitization behavior of Super304H stainless steel. *Corrosion Science*, 111, 728–741. <https://doi.org/10.1016/j.corsci.2016.06.012>
- Yousefi Mehr, V., & Toroghinejad, M. R. (2022). Microstructural investigation of an Al-Cu lamellar nanocomposite produced by accumulative roll bonding process under the heat treatment condition: An analytical, experimental, and finite element study. *Journal of Materials Research and Technology*, 20, 1028–1042. <https://doi.org/10.1016/j.jmrt.2022.07.137>
- Zhang, J., He, J., Peng, B., Li, H., Li, B., Yan, B., & Zhang, J. H. (2024). An experimental investigation for corrosion resistance of stainless clad steel plate. *Journal of Constructional Steel Research*, 217(April). <https://doi.org/10.1016/j.jcsr.2024.108655>

Zhou, C., Lv, Y., & Zhang, L. (2025). The Effect of Aging Treatment on the Corrosion Behavior of 17-4PH Stainless Steel. *Materials*, 18(8). <https://doi.org/10.3390/ma18081823>