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1 Apr. 2020 → present

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Publikationen

The role of hydrogen diffusion, trapping and desorption in dual phase steels

Drexler, A., Helic, B., Silvayeh, Z., Mraczek, K., Sommitsch, C. & Domitner, J., Feb. 2022, in: Journal of Materials Science. 57, 7, S. 4789–4805 17 S.

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Dependency of internal hydrogen embrittlement on the hydrogen distribution in industrial DP600 dual phase steel

Drexler, A., Estilaei, H., Helic, B., Mraczek, K. & Domitner, J., 2022, *Proceedings of the 4th International Conference on Metals & Hydrogen*. 14 S. F03

Enhanced gaseous hydrogen solubility in ferritic and martensitic steels at low temperatures

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Drexler, A., Vujic, A., Fitzek, H. M., Reischer, E., Scheibenreiter, J., Stiefner, U., Ringhofer, A., Vallant, R. & Domitner, J., 2022.

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Critical verification of the Kissinger theory to evaluate thermal desorption spectra

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Drexler, A., He, S., Pippan, R., Romaner, L., Razumovskiy, V. I. & Ecker, W., 15 März 2021, in: Scripta Materialia. 194, 113697.

Local hydrogen accumulation after cold forming and heat treatment in punched advanced high strength steel sheets

Drexler, A., Bergmann, C., Manke, G., Kokotin, V., Mraczek, K., Leitner, S., Pohl, M. & Ecker, W., 5 März 2021, in: Journal of Alloys and Compounds. 856, 158226.

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Drexler, A., Bergmann, C., Manke, G., Kokotin, V., Mraczek, K., Pohl, M. & Ecker, W., 7 Jan. 2021, in: Materials Science and Engineering A . 800, 13 S., 140276.

Modeling of Hydrogen Diffusion in Slow Strain Rate (SSR) Testing of Notched Samples

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