



Assistant Professor

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Background

2020– Assistant Professor, Institute of Science and Engineering, Shimane University

2020 Ph.D., Department of Materials Science and Engineering, Kumamoto University

Research

Multi-length scale mechanical characterisation, Fatigue crack growth

Key papers

1. S. Ueki, Y. Mine, K. Takashima, “Microstructure-sensitive fatigue crack growth in lath martensite of low carbon steel”, *Mater. Sci. Eng. A*, 773 (2020), 138830.
2. S. Ueki, T. Matsumura, Y. Mine, S. Morito, K. Takashima, “Microstructural fatigue crack growth in single-packet structures of ultra-low carbon steel lath martensite”, *Scr. Mater.*, 173 (2019), 80–85.
3. S. Ueki, K. Koga, Y. Mine, K. Takashima, “Crystallographic characterisation of hydrogen-induced twin boundary separation in type 304 stainless steel using micro-tensile testing”, *ISIJ Int.*, 59 (2019), 927–934.
4. S. Ueki, Y. Mine, K. Takashima, “Crystallographic study of hydrogen-induced twin boundary separation in type 304 stainless steel under cyclic loading”, *Corros. Sci.*, 129 (2017), 205–213.