Professor

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Background

2019/05/01	Professor, Department of Physics and Materials Science, Shimane University
2018/04/01	Associate Professor, Department of Physics and Materials Science, Shimane University
2007/04/01	Associate Professor, Department of Materials Science, Shimane University
2005/02/01	Assistant Professor, Department of Materials Science, Shimane University
1997/10/01	Research Assistant, Department of Materials Science and Engineering, Kyoto University
1997/03/31	Ph.D. in Engineering, University of Tsukuba, Tsukuba, Ibaraki, Japan
1996/04/01	Research Fellowship for Young Scientists, JSPS

Research

1. Investigation of development of microstructures in ferrous martensite.
2. Quantitative characterisation of 3D microstructures in ferrous martensite.
3. Effect of additional elements on microstructures in ferrous martensite.
4. Characterisation of development of deformation structure in ferrous martensite and bainite.

Key papers

1. S. Morito, A.H. Pham, T. Ohba, T. Hayashi, T. Furuhara, G. Miyamoto, "Three-dimensional observations of morphology of low-angle boundaries in ultra-low carbon lath martensite", Microscopy, 66 (2017), 380-387.
2. S. Morito, T. Ohba, A.K. Das, T. Hayashi, M. Yoshida, "Effect of Solution Carbon and Retained Austenite Film on Development of Deformation Structure of Low Carbon Lath Martensite", ISIJ Int., 53 (2013), 2226-2232.
3. S. Morito, H. Yoshida, T. Maki, X. Huang, "Effect of block size on the strength of lath martensite in low carbon steels", Mater. Sci. Engin. A, 438-440 (2006), 237-240.
4. S. Morito, H. Tanaka, R. Konishi, T. Furuhara, T. Maki, "The morphology and crystallography of lath martensite in Fe-C alloys", Acta Mater., 51 (2003), 1789-1799.