ICAS2022 Poster Award List

Influence of nitrogen addition on the temperature dependences of hardening mechanisms in austenitic stainless steels	**Yasuhito Kawahara**	*Kyushu University*	S1S01
δ-pearlite Reaction by Carburization in Fe-Cr Binary Alloy	**Hao Wu**	*Tokyo Institute of Technology*	S1S09
Surface hardening and nano-sized clustering during low temperature nitriding of Fe-35Ni-X (X=Cr, V, Mo, Al) alloys	**Yulin Xie**	*Tohoku University*	S1S10
3-dimensional morphology of upper and lower bainite in the initial stage of transformation	**Shotaro Jimbo**	*The University of Tokyo*	S1S11
The effect of γ recrystallization on B segregation and precipitation behavior after hot rolling process	**Daiki Terazawa**	*Nippon Steel Corporation*	S1Y01
Toughness prediction model for TiN-ferrite steels	**Yosuke Nonaka**	*Nippon Steel Corporation*	S1Y04
Computational approach for predicting anisotropy and formability of thermo-mechanically processed steel sheet in terms of texture control	**Kyung Mun Min**	*Seoul National University*	S2S02
Nano-mechanical Analysis of SUS304L Stainless Steel with Bimodal Distribution in Grain Size	**Viola Paul**	*Kyushu University, National Institute for Materials Science*	S2S09
Hydrogen Absorption Behavior and Absorbed Hydrogen Trapping Sites in Rolling Contact Fatigue	**Miyuri Kameya**	*Nippon Steel Corporation*	S2Y02
Atomistic calculations of the interaction between screw dislocations and symmetric tilt grain boundaries in iron	**Chiharu Kura**	*Kobe Steel, Ltd.*	S2Y04
Micromechanical investigation of ductile void nucleation in dual-phase steels with varying microstructure	**Fabien Briffod**	*The University of Tokyo*	S2Y06
Characterization of the Portevin-Le Chatelier Effect in Austenitic Stainless Steel using High-Temperature Digital Image Correlation Analysis	**Seung-Yong Lee**	*Tokyo Institute of Technology*	S2Y09
Elastic limit of martensite steel sheet containing retained austenite	**Junya Tobata**	*JFE Steel Co.*	S2Y11
Three-dimensional observation of small fatigue cracks growth process in a beta titanium alloy Ti-22V-4Al using multiscale synchrotron radiation computed tomography	**Gaoge Xue**	*Hokkaido University*	S3S01
Enhanced plastic fatigue durability of Fe-Mn-Cr-Ni-Si bidirectional-TRIP steel	**Fumiyoshi Yoshinaka**	*National Institute for Materials Science*	S3Y02
First-Principles Investigation on the Beneficial Effect of Interstitial Carbon on Steel Corrosion	**Mariko Kadowaki**	*National Institute for Materials Science*	S3Y04