

2009 年度業績 一森 博太郎

学術論文・解説記事

1. K. Arakawa, H. Mori, Energetics of formation process of a $\langle 001 \rangle$ prismatic dislocation loop via the collision between two $1/2\langle 111 \rangle$ loops in α -iron, *Journal of Physics: Conference Series*, 165, 012005 1-4, 2009
2. C. L. Chen, T. Nagase, H. Mori, In situ TEM observations of irradiation-induced phase change in tungsten, *Journal of Materials Science*, 44, 1965-1968, 2009
3. C. L. Chen, H. Furusho, H. Mori, Silver nanowires with a monoclinic structure fabricated by a thermal evaporation method, *Nanotechnology*, 20, 475706-475711, 2009
4. C. L. Chen, H. Mori, In situ TEM observation of the growth and decomposition of monoclinic W18O49 nanowires, *Nanotechnology*, 20, 285604-285609, 2009
5. J.-G. Lee, J.-H. Lee, T. Tanaka, H. Mori, In situ atomic-scale observation of melting point suppression in nanometer-sized gold particles, *Nanotechnology*, 20, 475706-475711, 2009
6. K. Nakai, T. Sakamoto, S. Kobayashi, K. Arakawa, H. Mori, M. Takamizawa, K. Murakami, M. Hino, A Model for Nucleation and Growth Processes of Tin Whisker, *Materials Science Forum*, 638-642, 2688-2693, 2010
7. 電顕センター紹介記事のため編集者は Nature, Microscopic marvels, *Nature*, 459, 615, 2009
8. K. Hagihara, M. Mori, T. Kishimoto and Y. Umakoshi, Change in microstructure by heat-treatment and corresponding deformation behavior in Ni₃V single crystals, *Mater. Sci. Forum*, 638-642, 1318-1323, 2010
9. K. Hagihara, M. Mori, T. Kishimoto and Y. Umakoshi, Influence of heat-treatment on microstructure and plastic deformation behavior in Ni₃V single crystals with the D022 structure, *Journal of physics (Conf. series)*, 165, 012004 1-4, 2009

受賞

1. 森博太郎, 日本金属学会 谷川・ハリス賞, 2010.3.28

新聞報道 (関連報道) など

1. 森博太郎, 科学新聞, ナノ粒子の融点降下 電顕でその場観察成功, 2010年1月15日