

94. S. Singh, F. Ram, M. de Graef, *Microsc. Microanal.* **23** (Suppl. S1), 213 (2017).
 95. G. Naresch-Kumar, J. Bruckbauer, P.R. Edwards, S. Kraesel, B. Hourahine, R.W. Martin, M.J. Kappers, M.A. Moram, S. Lovelock, R.A. Oliver, C.J. Humphreys, C. Trager-Cowan, *Microsc. Microanal.* **20**, 55 (2014).
 96. A.R. Rao, *Image Vis. Comput.* **14**, 3 (1996).
 97. A.J. Wilkinson, D.M. Collins, Y. Zayachuk, R. Korla, A. Vilalta-Clemente, *Ultramicroscopy* **196**, 88 (2019).
 98. F. de la Peña, V.T. Fauske, P. Burdet, E. Prestat, P. Jokubauskas, M. Nord, T. Ostasevicius, K.E. MacArthur, M. Sarahan, D.N. Johnstone, J. Taillon, A. Eljarrat, V. Migunov, J. Caron, T. Furnival, S. Mazzucco, A. Skorikov, hyperspy/hyperspy v. 1.4.1, doi:10.5281/zenodo.1469364.
 99. T.B. Britton, A.J. Wilkinson, *Acta Mater.* **60**, 5773 (2012).
 100. H. Yu, J. Liu, P. Karamched, A.J. Wilkinson, F. Hofmann, *Scr. Mater.* **164**, 36 (2019).
 101. P.J. Phillips, M.J. Mills, M. De Graef, *Philos. Mag.* **91**, 2081 (2011).
 102. P.G. Callahan, B.B. Haidet, D. Jung, G.G.E. Seward, K. Mukherjee, *Phys. Rev. Mater.* **2**, 81601 (2018).
 103. J.C. Stinville, E.R. Yao, P.G. Callahan, J. Shin, F. Wang, M.P. Echlin, T.M. Pollock, D.S. Gianola, *Acta Mater.* **168**, 152 (2019).
 104. S.K. Makineni, M. Lenz, P. Kontis, Z. Li, A. Kumar, P.J. Felfer, S. Neumeier, M. Herbig, E. Spiecker, D. Raabe, *JOM* **70**, 1736 (2018). □



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