

# Marc Bernacki

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## Articles

- [1] A. J. Ryan, D. Pino Munoz, M. Bernacki, M. Delbo, N. Sakatani, J. Biele, J. P. Emery, and B. Rozitis. Full-field modeling of heat transfer in asteroid regolith 2: Effects of porosity. *Journal of Geophysical Research: Planets*, Submitted, 2022.
- [2] S. Ouhiba, A. Nicolay, L. Boissonnet, M. Bernacki, and N. Bozzolo. Formation of coarse recrystallized grains in 6016 aluminum alloy during holding after hot deformation. *Metallurgical and Materials Transactions A*, Submitted, 2022.
- [3] B. Murgas, B. Flipon, N. Bozzolo, and M. Bernacki. Level-set modeling of grain growth in 316L stainless steel under different assumptions regarding grain boundary properties. *Materials*, 15(7), 2022.
- [4] V. Grand, B. Flipon, A. Gaillac, and M. Bernacki. Characterization and modeling of the influence of initial microstructure on recrystallization of zircaloy-4 during hot forming. *ASTM International*, Submitted, 2022.
- [5] S. Florez, K. Alvarado, B. Murgas, N. Bozzolo, D. Chatain, C.E. Krill III, M. Wang, G.S. Rhorer, and M. Bernacki. Statistical behaviour of interfaces subjected to curvature flow and torque effects applied to microstructural evolutions. *Acta Materialia*, 222:117459, 2022.
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- [10] S. Florez, J. Fausty, K. Alvarado, B. Murgas, and M. Bernacki. A 2D front-tracking lagrangian model for the modeling of anisotropic grain growth. *Materials*, 15(14), 2021.
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- [13] B. Flipon, V. Grand, B. Murgas, A. Nicolay, N. Bozzolo, A. Gaillac, and M. Bernacki. Grain size characterization in metals using different microscopy and post-processing techniques. *Metallurgical and Materials Transactions A*, 174:110977, 2021.

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## Postconference Articles

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