

Accepted Manuscript

Shock responses of nanoporous aluminum by molecular dynamics simulations

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PII: S0749-6419(16)30171-1

DOI: [10.1016/j.ijplas.2017.05.008](https://doi.org/10.1016/j.ijplas.2017.05.008)

Reference: INTPLA 2206

To appear in: *International Journal of Plasticity*

Received Date: 24 September 2016

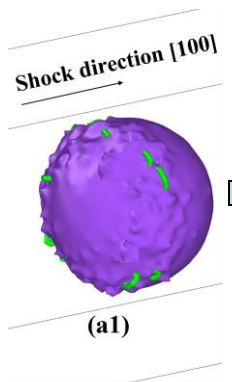
Revised Date: 16 May 2017

Accepted Date: 16 May 2017

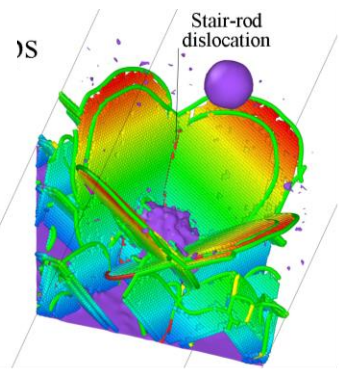
Please cite this article as: Xiang, M., Cui, J., Yang, Y., Liao, Y., Wang, K., Chen, Y., Chen, J., Shock responses of nanoporous aluminum by molecular dynamics simulations, *International Journal of Plasticity* (2017), doi: 10.1016/j.ijplas.2017.05.008.

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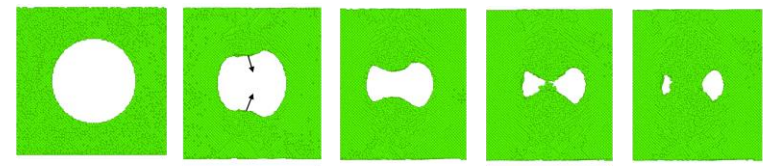




Dislocation nucleation.

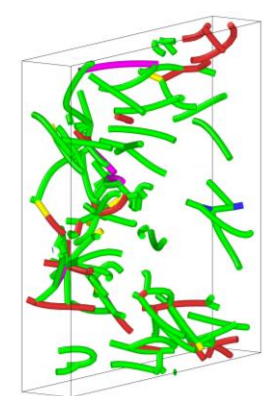
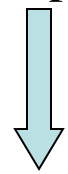


Slipping.

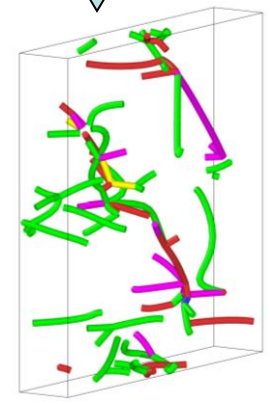


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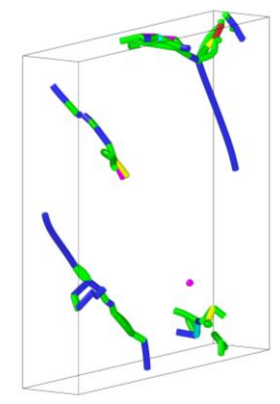
Collapse.



8.2ps

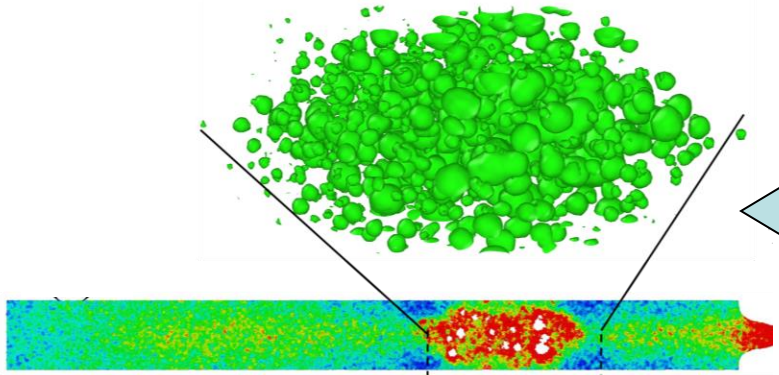


24.8ps



40.0ps

Dislocation reaction.



Spall.

Shock responses of nanoporous Al.

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