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Publications

PUBLICATIONS

• An analytical model for shape morphing through combined bending and twisting in piezo composites MECHANICS OF MATERIALS
  Boddapati, J., Mohanty, S., Annabattula, R.
  2020; 144

• A phase-field model for crack growth in electro-mechanically coupled functionally graded piezo ceramics SMART MATERIALS AND STRUCTURES
  Mohanty, S., Kumbhar, P., Swaminathan, N., Annabattula, R.
  2020; 29 (4)

• Stress-electrochemistry interactions in a composite electrode for Li-ion batteries SOLID STATE IONICS
  Mohanty, S., Kumbhar, P., Annabattula, R., Swaminathan, N.
  2019; 342

• A finite strain based coupled chemo-mechanical study of the anode materials in lithium-ion batteries JOURNAL OF COUPLED SYSTEMS AND MULTISCALE DYNAMICS
  Mohanty, S., Kumbhar, P., Swaminathan, N., Annabattula, R.
  2018; 6 (4): 266-272