

Stanford

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Ph.D. Student in Mechanical Engineering, admitted Autumn 2019

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