



Professor Yaghoub Tadi Beni

From: Sara Fattahian Dehkordi and Yaghoub Tadi Beni, "Electro-mechanical free vibration of single-walled piezoelectric/flexoelectric nano cones using consistent couple stress theory", International Journal of Mechanical Sciences, Vols. 128-129, pp 125-139, August 2017

See:

<https://scholar.google.com/citations?user=kTMZTgIAAAAJ&hl=en>

https://www.researchgate.net/profile/Yaghoub_Tadi_Beni

<http://livedna.net/?dna=98.2771>

Mechanical Engineering
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Research Interests:

Nano mechanics; FEM simulation of metal forming processes; Non-linear finite element method; Non-linear plasticity and large deformations of metals

Selected Publications:

M. K. Zeverdejani and Y. T. Beni, “The nano scale vibration of protein microtubules based on modified strain gradient theory,” *Current Applied Physics*, vol. 13, no. 8, pp. 1566–1576, 2013

Yaghoub Tadi Beni, Fahimeh Mehralian and Hamed Razavi, “Free vibration analysis of size-dependent shear deformable functionally graded cylindrical shell on the basis of modified couple stress theory”, *Composite Structures*, Vol. 120, pp 65-78, February 2015

Fahimeh Mehralian and Yaghoub Tadi Beni, “Size-dependent torsional buckling analysis of functionally graded cylindrical shell”, *Composites Part B: Engineering*, Vol. 94, pp 11-25, June 2016

Fahimeh Mehralian, Yaghoub Tadi Beni and Reza Ansari, “Size dependent buckling analysis of functionally graded piezoelectric cylindrical nanoshell”, *Composite Structures*, Vol. 152, pp 45-61, September 2016

Fahimeh Mehralian, Yaghoub Tadi Beni and Reza Ansari, “On the size-dependent buckling of anisotropic piezoelectric cylindrical shells under combined axial compression and lateral pressure”, *International Journal of Mechanical Sciences*, Vol. 119, pp 155-169, December 2016

Yaghoub Tadi Beni and Fahimeh Mehralian, “Size-dependent torsional buckling of carbon nano-peapods based on the modified couple stress theory”, *Int. J. Appl. Mechanics* 09(2), 1750030 [30 pages], March 2017

Sara Fattahian Dehkordi and Yaghoub Tadi Beni, “Electro-mechanical free vibration of single-walled piezoelectric/flexoelectric nano cones using consistent couple stress theory”, *International Journal of Mechanical Sciences*, Vols. 128-129, pp 125-139, August 2017