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h-index (Scopus):

**16**

Citations (Scopus):

**1279**

**Supervised MSc Theses**

#	Thesis title	By	Date
1	Behavior simulation of composite materials with self-diagnostic feature	Kioumars Jafari Khalafloo & Ali Nikbakht	October 2021
2	The analysis of sliding contact between half cylindrical deformable punch and semi - infinite medium including	Mehrab Sotoudebagha & Ali Nikbakht	April 2021
3	Multiscale computational contact for deformable Fcc crystal lattices	Seyed Pouya Towhidi & Ali Nikbakht	August 2019
4	analyzing mechanical properties in reinforced composites by electrospun nanofibers	Mohammad Ehsandoost & Ali Nikbakht	July 2019
5	Investigating the interface coherency of ferrite & martensite in dual phase steels	Nima Ahmadkhani & Ali Nikbakht	May 2019
6	Thermal buckling analysis of Functionally Graded Material beam embedded with Shape Memory Alloys	Alireza Babaee & Ali Nikbakht	February 2018
7	Investigating low velocity impact on a self healing composite beam	Hojjat Niakan & Ali Nikbakht	September 2017
8	Finite element simulation of water slamming impact on composite structures by considering fluid structure interaction	Babak Panahi Kazerooni & Ali Nikbakht	July 2017

**Journal Papers**

## Portal Records






- 1 Hamed Saghafi, Ali Nikbakht, Reza Mohammadi, Dimitrios Zarouchas, "The Thickness Effect of PSF Nanofibrous Mat on Fracture Toughness of Carbon/Epoxy Laminates", *Materials*, June 2021 Vol. 14, Num. 13, Page 3469-3479, June 2021,
- 2 Alireza Fallahi Arezodar, Ali Nikbakht, "Micromechanical Modeling and Investigating the Effect of Particle Size and the Interface of Phases on the Mechanical Behavior of Dual-Phase Steels", *JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE*, January 2019 Vol. 28, Num. 0, Page 53-62, January 2019,
- 3 Sajad Alimirzaefaradonbeh, Mojtaba Sadighi, Ali Nikbakht, "Wave propagation analysis in viscoelastic thick composite plates resting on Visco-Pasternak foundation by means of quasi-3D sinusoidal shear deformation theory", *EUROPEAN JOURNAL OF MECHANICS A-SOLIDS*, October 2018 Vol. 74, Num. 0, Page 1-15, October 2018,
- 4 Hesam Yademellat, Ali Nikbakht, Hamed Saghafi, Mojtaba Sadighi, "Experimental and numerical investigation of low velocity impact on electrospun nanofiber modified composite laminates", *COMPOSITE STRUCTURES*, May 2018 Vol. 200, Num. 0, Page 507-514, May 2018,
- 5 Hojjat Samarikhajaj, Ali Nikbakht, Mojtaba Sadighi, Sajad Sheikhan, "Investigating the shear strength of friction stir lap welded 7075 aluminum alloy", , November 2017 Vol. 49, Num. 4, Page 863-873, November 2017,
- 6 Alireza Babaei, Mojtaba Sadighi, Ali Nikbakht, Sajad Alimirzaefaradonbeh, "Generalized differential quadrature nonlinear buckling analysis of smart SMA/FG laminated beam resting on nonlinear elastic medium under thermal loading", *JOURNAL OF THERMAL STRESSES*, November 2017 Vol. 41, Num. 5, Page 583-607, November 2017,
- 7 Ali Talezadehlari, Ali Nikbakht, Mojtaba Sadighi, Hesam Yademellat, "Effect of Viscoelastic Interfaces on Thermo-Mechanical Behavior of a Layered Functionally Graded Spherical Vessel", *AUT Journal of Mechanical Engineering*, November 2016 Vol. 1, Num. 1, Page 75-88, November 2016,
- 8 , Ali Nikbakht, Ali Asadi, "Analyzing a functionally graded pressurized cylinder of arbitrary material distribution subjected to thermal loading", *International Academic Journal of Innovative Research*, August 2016 Vol. 3, Num. 6, Page 21-34, August 2016,
- 9 , Ali Nikbakht, Mojtaba Sadighi, Andrea Zucchelli, "Numerical analysis of frictional contact in the presence of a surface crack in a functionally graded coating substrate system", *INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES*, August 2016 Vol. 117, Num. 0, Page 286-298, August 2016,
- 10 , Ali Nikbakht, Mojtaba Sadighi, "Sliding contact between a rigid cylindrical punch and a functionally graded semi-infinite medium in the presence of a surface crack", , November 2015 Vol. 2, Num. 3, Page 11-22, November 2015,
- 11 Ali Nikbakht, Alireza Fallahi Arezodar, Mojtaba Sadighi, "Analyzing contact problem between a functionally graded plate of finite dimensions and a rigid spherical indenter", *EUROPEAN JOURNAL OF MECHANICS A-SOLIDS*, September 2014 Vol. 47, Num. 0, Page 92-100, September 2014,

## Conference Papers

### Portal Records

- 1 Alireza Babaei, Ali Talezadeh Lari, Ali Nikbakht, Mojtaba Sadighi, "Numerical Investigation on Thermal buckling of Composite Laminate Using GDQ and Ritz Method ", 25th Annual International Conference on Mechanical Engineering, May 2017
- 2 Ali Talezadeh Lari, Ali Nikbakht, Ali Asadi, "Designing a functionally graded pressurized cylinder of arbitrary material distribution subjected to thermal loading ", The 2nd international conference and 3rd national conference on new technologies application in engineering, February 2016
- 3 Ali Talezadeh Lari, Ali Nikbakht, Mojtaba Sadighi, "Thermal behavior of SMA/FGM actuators with temperature dependent properties ", Third Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures (SMAR 2015), September 2015
- 4 Ali Nikbakht, Alireza Fallahi Arezodar, Mojtaba Sadighi, "Stress Analysis of a Functionally Graded Rotating Thick-Walled Cylinder under Uniform Internal Pressure ", 7th International Conference on Composite Sciences and Technology, January 2009

## Taught Courses

#	Course title	Description	Headlines	Date
1	Material Science	1		Fall 2021
2	Material Science	1		Fall 2021
3	Material Science	1		Spring 2021
4	Statics	Getting familiar to the mechanics of materials in the static status		Spring 2021
5	Material Science	1		Fall 2020