

➤ **Personal Data**

Full Name: Hosseini- Hashemi, Shahrokh

Affiliation :Professor

Place of Birth :Iran

Date of Birth :July 7, 1949

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➤ **University Degrees**

Ph.D., City University of London, UK (1986)

M.Sc., City University of London, UK (1979)

B.Sc., Iran University of Science and Technology, Iran (1972)

➤ **Fields of Interest**

Sound & Vibration

Continuum Mechanics

Impact

➤ **Current Research**

Impact on graphene nano-plate.

Vibration analysis of nano ribbons and multilayers graphene.

Numerical simulation of nonlinear vibration of NEMS systems.

Vibration analysis of nano-plate in viscous fluid medium.

Integral form of nonlocal elasticity.

➤ **Expertise**

Structural Vibration

Nonlinear Analysis

Computational Solid Mechanics

Finite Element Modeling

Acoustic Stimulation

Graphene Nano-ribbon

➤ **Statistics**

h-index: 31 (Scopus)

h-index: 32 (Google scholar)

Citations:3412 (Research gate)

➤ **Awards and Honors**

- The Scientist with a World Ranking of one Percent, Thompson Reuters, 2017.
- Distinguished researcher in sound and vibration, Acoustic and Vibration Society of Iran, 2018.
- Supervision of the best PhD's thesis of the year 2014, Iranian Society of Acoustics and Vibration.
- Supervision of the best Bachelor thesis of the year 2014, Iranian Society of Mechanical Engineers.
- Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom, Overseas Research Students (ORS) award, London, England, 1982/83
- Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom, Overseas Research Students (ORS) award, London, England, 1981/82
- Ministry of Science and Higher Education, Ph.D. Scholarship award, Tehran, Iran, 1977.

➤ **Working Experience**

- Professor, Iran University of Science and Technology, (2011-now)
- Associate Professor, Iran University of Science and Technology, (2008-2011).
- Assistant Professor, Iran University of Science and Technology, (1991-2008).
- Member of committee for promotion assessment (2015-now), School of Mechanical Engineering, IUST.
- Head of the Solid Mechanics educational group (1992-1994), School of Mechanical Engineering, IUST.
- Director of Impact Research Laboratory (Since 2005), School of Mechanical Engineering, IUST.
- Head of Solid mechanics Labs, (2011-2015).
- Member of Trustee Council of Central Province of Islamic Azad University, (2009-2011).
- Member of founding board of Ayandegan institute of higher education, Tonekabon, (2011-now).

➤ **Research Projects Since 2006**

- Numerical simulation of nonlinear vibration of nano electromechanical systems, Grant (2018).
- Response of rectangular nano-plate to impact force, Grant (2017).
- Molecular dynamics simulation for interlayer interactions of graphene with multiple layers Grant (2016).
- Forced vibration analysis of nano-plate resting on viscoelastic foundation, Grant (2015).
- Nonlinear free vibration of functionally graded nanobeams using nonlocal elasticity theory Grant (2014).
- Free vibration of piezoelectric nanobeams incorporating surface effects (2013).
- An exact analytical solution for studying vibration and buckling of rectangular nano-plate using non local theory of elasticity (2012).
- An analytical procedure for free vibration of thick functionally graded rectangular plates (2011).
- Vibration analysis of radially FGM sectorial plates (2010).
- Free vibration of functionally graded rectangular plates resting on elastic foundation (2009).
- Exact solution for free vibration and buckling of rectangular Mindlin plates under in-plane loads resting on Pasternak elastic foundation (2008).
- 3-D Free Vibration Analysis of Annular Plates resting on Pasternak Elastic Foundation via p-Ritz Method (2007).
- Developing Rayleigh-Ritz method to study vibration of thin multilateral plates (2006).

➤ **Membership of Associations**

- Member of Iranian Society of Mechanical Engineering.
- Member of Iranian Society of Acoustic and Vibration.
- Member of Center of Excellence in Railway Transportation.

➤ **Member of the Editorial Board**

- Member of Editorial Board of Journal of Science and Technology of Composites, (2014-now).

- Member of Editorial Board of International Journal of Advances in Railway Engineering, (2013-now).
- Member of Editorial Board of Journal of Vibration Analysis, Measurement and Control, (2013-now).
- Responsible Director of Takaneh Magazine, (2011-2013), (Published by Scientific Association of Student of Mechanical Engineering at IUST).

➤ **Served as Reviewer for Journals**

- Applied Mathematical Modeling
- Journal of Composite Materials
- Composite Structures
- Journal of Vibration and Control
- Acta Mechanica
- Journal of Sound and Vibration
- Mechanics of Advanced Material and Structures
- Materials Research Express
- Meccanica
- Journal of solid Mechanics
- International journal of Mechanical Sciences
- European Journal of Mechanics - A/Solids
- Earthquake Engineering and Engineering Vibration
- Computational Materials Science
- International Journal of Nano Dimension (IJND)
- Modares Mechanical Engineering
- Amirkabir Mechanical Engineering

➤ **Supervision of Thesis**

Ph.D.

- Mahmoudpour E., "Nonlinear thermo-mechanical forced vibration analysis of multi-layered graphene sheet resting on elastic foundation based on nonlocal elasticity theory" (PhD), 2018.
- Tohidi H., "Nonlinear forced vibration analysis of micro cylindrical shells based on modified strain gradient theory" (PhD), 2018.
- Sepahi A., "Impact response of elastic rectangular graphene nanoplate using nonlocal theory" (PhD), 2018.

- Bakhshi-Khaniki H., "Dynamic analysis of multi-layers nano-beam and nano-plate subjected to moving nano particle force using nonlocal theory of Eringen" (PhD), 2018.
- Rajabi k., "On the investigation of the viscoelasticity on the application of graphene sheets as nanoscale mass sensor" (PhD), 2017.
- Ilkhani M. R., "Study on effect of spinning speed on the vibrations and buckling of multi-walled nanotube based on nonlocal elasticity" (PhD), 2017.
- Nazemnezhad R., "Free vibration analysis of nano ribbons and multilayers graphene incorporating surface effects using nonlocal elasticity and molecular dynamic" (PhD), 2015.
- Atashipour S.R., "Exact analytical study of static bending, vibration and buckling of multilayer composite plates" (PhD), 2014.
- Fadaee M., "A new analytical solution for free vibration of doubly thick shell with variable properties in thickness direction" (PhD), 2012.
- Yousef P., "Dynamic response of circular/elliptical composite plates in collision with rigid solid sphere according to Hertz contact theory" (PhD), 2011.
- Farhadi S., "Control of flutter of rotatory plates subjected to supersonic flow" (PhD), 2009.
- Khorshide K., "Vibrio-buckling of moderately thick rectangular plates resting on Pasternak elastic foundation", (PhD), 2008.
- Hezavehi E., "Investigation of wrinkle behavior of woven fabrics under different torsional strains", (PhD), 2008.
- Mojabi A., "The effect of folding and packaging operations on physical and mechanical properties of hand-woven carpets under the different environmental conditions", (PhD), 2007.

M.Sc.

Supervised more than 65 MSc theses.

➤ Publications

ISI papers

1. Hosseini-Hashemi, Sh., Ahmadi Arpanahi, R., Rahmanian, S., Ahmadi Savadkoohi, A. (2019) "Free vibration analysis of nano-plate in viscous fluid medium using nonlocal elasticity", *European Journal of Mechanics / A Solids*, Vol.74, PP. 440–448.
2. Rahmanian, S., Hosseini-Hashemi, Sh., Ghazavi, M. R. (2019) "Analytical Primary Resonance of Size-Dependent Electrostatically Actuated Nanoresonator Under the Effects of Surface Energy and Casimir Force", *International Journal of Applied Mechanics*, Vol.11 (1), 1950002-1-17

3. Rahmanian, S., Hosseini-Hashemi, Sh., Ghazavi, M. R. (2019) "Analytical Primary Resonance of Size-Dependent Electrostatically Actuated Nanoresonator Under the Effects of Surface Energy and Casimir Force", *International Journal of Applied Mechanics*, Vol.11 (1), 1950002-1-17.
4. Rahmanian, S., Ghazavi, M. R., Hosseini-Hashemi, Sh. (2019) "On the numerical investigation of size and surface effects on nonlinear dynamics of a nanoresonator under electrostatic actuation", *Journal of the Brazilian Society of Mechanical Sciences and Engineering* Vol. 41(1), PP. 1–13.
5. Rumanian, S., Hosseini-Hashemi, Sh. (2019) "Size-dependent resonant response of a double-layered viscoelastic nanoresonator under electrostatic and piezoelectric actuations incorporating surface effects and Casimir regime", *International Journal of Non-Linear Mechanics* Vol. 109, PP. 118-131.
6. Mahmoudpour, E., Hosseini Hashemi Sh., Faghidian, S. A. (2019) " Nonlinear resonant behaviors of embedded thick FG double layered nano-plates via nonlocal strain gradient theory", *Microsystem Technologies* Vol. 25(3), PP. 951-964.
7. Fakher, M., Rahmanian, S., Hosseini-Hashemi, Sh. (2019) "On the carbon nanotube mass nan sensor by integral form of nonlocal elasticity", *International Journal of Mechanical Sciences* Vol. 150, PP. 445-557.
8. Rahmanian, S., Ghazavi, M. R., Hosseini-Hashemi, Sh. (2019) " Effects of Size, Surface Energy and Casimir Force on the Super harmonic Resonance Characteristics of a Double-Layered Viscoelastic NEMS Device Under Piezoelectric Actuations", *Iranian Journal of Science and Technology: Transactions of Mechanical Engineering*, Online.
9. Asgharzadeh Shirazi, H., Fakher, M., Asnafi, A., Hosseini Hashemi Sh. (2018) " A new method to study free transverse vibration of the human lumbar spine as segmental multi-layer Timoshenko and Euler–Bernoulli beams", *International Journal of Mechanical and Materials* Vol. 13(1), Article 7
10. Tohidi, H., Hosseini Hashemi Sh., Maghsoudpour, A. (2018) " Size-dependent forced vibration response of embedded micro cylindrical shells reinforced with agglomerated CNTs using strain gradient theory", *SMART STRUCTURES AND SYSTEMS* Vol. 22(5), PP. 527-546.
11. Izadi, M. H., Hosseini-Hashemi, Sh., Korayem, M. H. (2018) "Analytical and FEM solutions for free vibration of joined cross-ply laminated thick conical shells using shear deformation theory", *Archive of Applied Mechanics* Vol. 88(3), PP. 1-16.
12. Bakhsh Khaniki, H., Hosseini-Hashemi, Sh., Bakhshi Khaniki, H. (2018) "Dynamic analysis of nano-beams embedded in a varying nonlinear elastic environment using Eringen's two-phase local/nonlocal model", *European Physical Journal Plus* Vol. 133(7), Article 283.

- 13.Hosseini-Hashemi, Sh., Bakhshi Khaniki, H. (2018) "Three dimensional dynamic response of functionally graded nanoplates under a moving load ", *Structural Engineering & Mechanics* Vol. 66(2), PP.249-262.
- 14.Sepahi, A, Hosseini-Hashemi, Sh., Sepahi-Bourojeni, S. (2018) "Analytical and molecular dynamics studies on the impact loading of single-layered graphene sheet by fullerene", *Applied Surface Science* Vol. 437, PP.366-374.
- 15.Hosseini-Hashemi, Sh., Bakhshi Khaniki, H. (2018) "Dynamic response of multiple nanobeam system under a moving nanoparticle", *Alexandria Engineering Journal* Vol. 57, PP.343-356.
- 16.Bedroud, M., Zare, M. Hosseini-Hashemi, Sh. (2018) "Effect of nonlocal elasticity on vibration analysis of multi-layer graphene sheets using sandwich model", *European Journal of Mechanics - A/Solids* Vol. 70, PP.75-85.
- 17.Rajabi K., Li, Li., Hosseini-Hashemi, Sh., Nezamabadi, A. (2018) "Size-dependent nonlinear vibration analysis of Euler-Bernoulli nanobeams acted upon by moving loads with variable speeds", *Materials Research Express* Vol. 5(1), Article 015058.
- 18.Rajabi K., Hosseini-Hashemi, Sh. (2018) "Effect of the Inter-particle Interactions on Adsorption- Induced Frequency Shift of Nano-beam Based Nanoscale Mass-Sensors: A Theoretical Study", *Journal of Solid Mechanics* Vol. 10(4), PP.864-873.
- 19.Mahmoudpour,E., Hosseini Hashemi Sh., Faghidian, S. A. (2018) " Nonlinear vibration analysis of FG nano-beams resting on elastic foundation in thermal environment using stress-driven nonlocal integral model", *Applied Mathematical Modelling* Vol. 57, PP. 302-315.
- 20.Rajabi K., Hosseini-Hashemi, Sh. (2018) " Application of the generalized Hooke's law for viscoelastic materials (GHVMs) in nanoscale mass sensing applications of viscoelastic nanoplates: A theoretical study", *European Journal of Mechanics - A/Solids* Vol. 67, PP.71-83.
- 21.Bakhshi Khaniki, H., Hosseini-Hashemi, Sh., Nezamabadi, A. (2018)" Buckling analysis of non-uniform nonlocal strain gradient beams using generalized differential quadrature method", *Alexandria Engineering Journal* Vol. 57(3), PP. 1361-1368.
- 22.Fakher, M., Hosseini-Hashemi, Sh. (2017) " Bending and free vibration analysis of nanobeams by differential and integral forms of nonlocal strain gradient with Rayleigh–Ritz method", *Materials Research Express* Vol. 4(12), Article1 25025.
- 23.Bakhshi Khaniki, H., Hosseini-Hashemi, Sh. (2017)" Dynamic transverse vibration characteristics of nonuniform nonlocal strain gradient beams using the generalized differential quadrature method", *European Physical Journal Plus* Vol. 132(11), Article 500.

- 24.Hosseini-Hashemi, Sh., Bakhshi Khaniki, H. (2017) "Dynamic Behavior of Multi-Layered Viscoelastic Nanobeam System Embedded in a Viscoelastic Medium with a Moving Nanoparticle", JOURNAL OF MECHANICS Vol. 33(5), PP.559-575.
- 25.Hosseini-Hashemi, Sh., Fakher, M. Bedroud, M. (2017) " Longitudinal vibrations of aluminum nanobeams by applying elastic moduli of bulk and surface: Molecular dynamics simulation and continuum model", Materials Research Express Vol. 4(8), Article 085036.
- 26.Tohidi,H., Hosseini Hashemi Sh., Maghsoudpour, A.,Etemadi,S. (2017) "Dynamic stability of FG-CNT-reinforced viscoelastic micro cylindrical shells resting on nonhomogeneous orthotropic viscoelastic medium subjected to harmonic temperature distribution and 2D magnetic field", Wind and Structures Vol. 25(2), PP. 131-156.
- 27.Rajabi K., Hosseini-Hashemi, Sh. (2017) "On the application of viscoelastic orthotropic double-nanoplates systems as nanoscale mass-sensors via the generalized Hooke's law for viscoelastic materials and Eringen's nonlocal elasticity theory ", Composite Structures Vol. 180, PP.105-115.
- 28.Tohidi, H., Hosseini Hashemi Sh., Maghsoudpour, A., Etemadi, S. (2017) "Strain gradient theory for vibration analysis of embedded CNT-reinforced micro Mindlin cylindrical shells considering agglomeration effects", Structural Engineering & Mechanics Vol. 62(5), PP. 551-565.
- 29.Bakhshi Khaniki, H., Hosseini-Hashemi, Sh. (2017) "Dynamic response of biaxially loaded double-layer viscoelastic orthotropic nanoplate system under a moving nanoparticle", International Journal of Engineering Science Vol. 115, PP. 51-72.
- 30.Bakhshi Khaniki, H., Hosseini-Hashemi, Sh. (2017) "Buckling analysis of tapered nanobeams using nonlocal strain gradient theory and generalized differential quadrature method", Materials Research Express Vol. 4(6), Article 065003.
- 31.Bakhshi Khaniki, H., Hosseini-Hashemi, Sh. (2017) " The size-dependent analysis of multilayered micro bridge systems under a moving load/mass based on the modified couple stress theory", European Physical Journal Plus Vol. 132(5), Article 200.
- 32.Tohidi,H., Hosseini Hashemi Sh., Maghsoudpour, A. (2017) " Nonlinear size-dependent dynamic buckling analysis of embedded micro cylindrical shells reinforced with agglomerated CNTs using strain gradient theory", Microsystem Technologies Vol. 23(12), PP. 5727-5744.
- 33.Bedroud, M., Hosseini-Hashemi, Sh. (2017) "Exact solution for large amplitude flexural vibration of nanobeams using nonlocal Euler-Bernoulli theory", Journal of Theoretical and Applied Mechanics Vol. 55(2), PP.649-658.

34. Bedroud, M., Zare, M. Hosseini-Hashemi, Sh. (2017) "Sandwich Plate Model of Multilayer Graphene Sheets for Considering Interlayer Shear Effect in Vibration Analysis via Molecular Dynamics Simulations", *Applied Mathematical Modelling* Vol. 47, PP.459-472.
35. Rajabi K., Hosseini-Hashemi, Sh. (2017) "Application of the generalized Hooke's law for viscoelastic materials (GHVMs) in nonlocal free damped vibration analysis of viscoelastic orthotropic nanoplates", *International Journal of Mechanical Sciences* Vol. 124, PP.158-165.
36. Bakhshi Khaniki, H., Hosseini-Hashemi, Sh. (2017) " Free Vibration Analysis of Nonuniform Micro beams Based on Modified Couple Stress Theory: an Analytical Solution", *International Journal of Engineering, Transactions B: Applications* Vol. 30(2), PP.311-320.
37. Rajabi K., Hosseini-Hashemi, Sh. (2017) " A new nanoscale mass sensor based on a bilayer graphene nanoribbon: The effect of interlayer shear on frequencies shift", *Computational Materials Science* Vol. 126, PP.468-473.
38. Hosseini-Hashemi, Sh., Sepahi, A. (2017) "Elastic impact response of a nonlocal rectangular plate", *International Journal of Solids and Structures* Vol. 109, PP.93-100.
39. Hosseini-Hashemi, Sh., Bakhshi Khaniki, H. (2017) " Vibration analysis of a Timoshenko non-uniform nanobeam based on nonlocal theory: An analytical solution ", *Int. J. Nano Dimens.*, Vol. 8(1), PP. 70-81.
40. Hosseini-Hashemi, Sh., Bakhshi Khaniki, H. (2017) " Vibration analysis of a Timoshenko non-uniform nanobeam based on nonlocal theory: An analytical solution ", *Int. J. Nano Dimens.*, Vol. 8(1), PP. 70-81.
41. Jamal poor, A., Ahmadi-Savadkoohi, A. ,Hossein, M., Hosseini-Hashemi, Sh. (2017)" Free vibration and biaxial buckling analysis of double magneto-electro-elastic nanoplate-systems coupled by a visco- Pasternak medium via nonlocal elasticity theory", *European Journal of Mechanics - A/Solids* Vol. 63, PP. 84-98.
42. Hosseini-Hashemi, Sh., Ilkhani, M.R. (2017) "Nonlocal modeling for dynamic stability of spinning nanotube under axial load", *Meccanica* Vol. 52(4), PP. 1107-1121.
43. Nazemnezhad, R., Kamali, K., Hosseini-Hashemi, Sh. (2017) "Study on tensile-compressive and shear effects of van der Waals interactions on free vibration of bilayer graphene nanoribbons", *Meccanica* Vol. 52(1-2), PP. 263-282.
44. Hosseini-Hashemi, Sh., Bakhshi Khaniki, H., Bakhshi Khaniki, H. (2016)" Free Vibration Analysis of Functionally Graded Materials Non-uniform Beams", *International Journal of Engineering, Transactions B: Applications* Vol. 29(12), PP. 1734-1740.

45. Nazemnezhad, R., Zare, M., Hosseini-Hashemi, Sh., Shokrollahi, H. (2016)" Molecular dynamics simulation for interlayer interactions of graphene nanoribbons with multiple layers", *Superlattices and Microstructures* Vol. 98, PP. 228-234.
46. Jamal poor, A., Ahmadi-Savadkoohi, A. Hosseini-Hashemi, Sh. (2016)" Free vibration and biaxial buckling analysis of magneto-electro-elastic micro plate resting on visco-Pasternak substrate via modified strain gradient theory", *Smart Materials and Structures* Vol. 25(10), Article 105035.
47. Hosseini-Hashemi, Sh., Ilkhani, M.R. (2016) " Exact solution for free vibrations of spinning nanotube based on nonlocal first order shear deformation shell theory", *Composite Structures* Vol. 157, PP. 1-11.
48. Hosseini-Hashemi, Sh., Sharifpour, F., Ilkhani, M.R. (2016) "On the free vibrations of size-dependent closed micro/nano spherical shell based on the modified couple stress theory", *International Journal of Mechanical Sciences* Vol. 115, PP. 501-515.
49. Ilkhani, M.R., Hosseini-Hashemi, Sh. (2016)" Size dependent vibro-buckling of rotating beam based on modified couple stress theory", *Composite Structures* Vol. 143, PP. 75-83.
50. Korayem, M.H., Habibnezhad, A., Hosseini-Hashemi, Sh. (2016)" Analysis of hysteresis effect on the vibration motion of a bimodal non-uniform micro-cantilever using MCS theory", *Applied Physics A* Vol. 122(2), Article 96.
51. Hosseini-Hashemi, Sh., Bakhshi Khaniki, H. (2016)" Analytical solution for free vibration of a variable cross-section nonlocal nanobeam", *International Journal of Engineering, Transactions B: Applications* Vol. 29(5), PP. 688-696.
52. Ilkhani, M.R., Bahrami, A., Hosseini-Hashemi, Sh. (2016)" Free vibrations of thin rectangular nano-plates using wave propagation approach", *Applied Mathematical Modelling* Vol. 40(2), PP. 1287-1299.
53. Bedroud, M., Nazemnezhad, R., Hosseini-Hashemi, Sh., Valixani, M. (2015) " Buckling of FG circular/annular Mindlin nanoplates with an internal ring support via nonlocal elasticity" *Applied Mathematical Modelling* ", Vol. 40(4), PP. 3185-3210.
54. Hosseini-Hashemi, Sh., Abaei, A., Ilkhani, M.R. (2015)" Free vibrations of functionally graded viscoelastic cylindrical panel under various boundary conditions", *Composite Structures* Vol. 126, PP. 1-15.
55. Hosseini Hashemi Sh., Mehrabani H., Ahmadi Savadkuhi A. (2015) "Exact solution for free vibration of coupled double viscoelastic graphene sheets by viscoPasternak medium" , *Composites Part B*, Vol. 78, PP. 377-383.
56. Zare, M., Nazemnezhad R., Hosseini Hashemi Sh. (2015) "Natural Frequency Analysis of Functionally Graded Rectangular NanoPlates with Different Boundary Conditions via an Analytical Method", *Meccanica*, Vol. 50(9), PP. 2391-2408.

57. Bedroud M., Nazemnezhad R., Hosseini Hashemi Sh. (2015) "Axisymmetric/asymmetric buckling of functionally graded circular/annular Mindlin nanoplates via nonlocal elasticity", *Meccanica*, Vol. 51, PP. 1027-1044
58. Hosseini Hashemi Sh., Nazemnezhad R., Rokni H. (2015) "Nonlocal nonlinear free vibration of nano beams with surface effects", *European Journal of Mechanics A/Solids*, Vol. 52, PP. 44-53.
59. Nazemnezhad R., Hosseini Hashemi Sh. (2015) "Nonlinear free vibration analysis of Timoshenko nano beams with surface energy", *Meccanica*, Vol. 50(4), PP. 1027-1044.
60. Hosseini Hashemi Sh., Kermajani M., Nazemnezhad R. (2015) "An analytical study on the buckling and free vibration of rectangular nano plates using nonlocal third order shear deformation plate theory", *European Journal of Mechanics A/Solids*, Vol. 51, PP. 29-43
61. Nazemnezhad R., Hosseini Hashemi Sh. (2014) "Free vibration analysis of multi-layer graphene nanoribbon incorporating interlayer shear effect via molecular dynamics simulations and nonlocal elasticity", *Physics Letter A*, Vol. 378, PP. 3225-3232.
62. Fadaee M., Ilkhani M., Hosseini Hashemi Sh. (2014) "A new generic exact solution for free vibration of functionally graded moderately thick doubly curved shallow shell panel", *Journal of Vibration and Control*, PP. 1-13.
63. Hosseini Hashemi Sh., Nahas I., Fakher M., Nazemnezhad R. (2014) "Surface effects on free vibration piezoelectric functionally graded nanobeams using nonlocal elasticity", *Acta Mechanica*, Vol. 224, PP. 2663-2678.
64. Nazemnezhad R., Shokrollahi, H., Hosseini Hashemi Sh. (2014) "Sandwich beam model for free vibration analysis of bilayer graphene nanoribbons with interlayer shear effect", *Journal of Applied Physics* Vol. 115(17), Article 174303.
65. Nazemnezhad R., Hosseini Hashemi Sh. (2014) "Nonlocal nonlinear free vibration of functionally graded nanobeams", *Composite Structures* Vol. 110, PP. 192-199.
66. Nazemnezhad R., Hosseini Hashemi Sh., Fakher, M., Sotoude, H. (2014) "Dynamic behavior of thin and thick cracked nanobeams incorporating surface effects", *Composites Part B Engineering* Vol. 61(17), PP.66-72.
67. Nazemnezhad R., Hosseini Hashemi Sh., Nahas I., Fakher M. (2014) "Nonlinear free vibration of piezoelectric nanobeams incorporating surface effects", *Smart Materials and Structures* Vol. 23(3), Article 035012.
68. Nazemnezhad R., Hosseini Hashemi Sh., Bedroud, M. (2014) "Surface effects on nonlinear free vibration of functionally graded nanobeams using nonlocal elasticity", *Applied Mathematical Modelling* Vol. 38(14-15), PP. 3538-3553.

69. Fadaee M., Atashipour S.R., Hosseini Hashemi Sh. (2013) "Free vibration analysis of Levy- type functionally graded spherical shell Panel using a new exact closed-form solution", *International Journal of Mechanical Sciences*, Vol. 77, PP. 227-238.
70. Hosseini Hashemi Sh., Ilkhani, M.R., Fadaee M. (2013) "Accurate natural frequencies and critical speeds of a rotating functionally graded moderately thick cylindrical shell", *International Journal of Mechanical Sciences*, Vol. 76, PP. 9-20.
71. Bedroud M., Hosseini Hashemi Sh., Nazemnezhad R. (2013) "Buckling of circular/annular Mindlin nanoplates via nonlocal elasticity ", *Acta Mechanica* Vol. 224(11), PP. 2663-2676.
72. Hosseini Hashemi Sh., Bedroud M., Nazemnezhad R. (2013) "An exact analytical solution for free vibration of functionally graded circular/annular Mindlin nanoplates via nonlocal elasticity", *Composite Structures*, Vol. 103, PP. 108-118.
73. Hosseini Hashemi Sh., Nazemnezhad R. (2013) "An analytical study on the nonlinear free vibration of functionally graded nanobeams incorporating surface effects", *Composites Part B Engineering* Vol. 52, PP. 199-206.
74. Sburlati, R., Atashipour S.R., Hosseini Hashemi Sh. (2013) " Study on the effect of functionally graded coating layers on elastic deformation of thick circular plates: A closed-form elasticity solution", *Composite Structures* Vol. 99, PP. 131-140.
75. Hosseini Hashemi Sh., Derakhshani M., Fadaee M. (2013) "An accurate mathematical study on the free vibration of stepped thickness circular/annular Mindlin functionally graded plates ", *Applied Mathematical Modelling* Vol. 37(6), PP. 4147-4164.
76. Hosseini Hashemi Sh., Salehipour, H., Atashipour S.R., Sburlati, R. (2013) " On the exact in-plane and out-of-plane free vibration analysis of thick functionally graded rectangular plates: Explicit 3-D elasticity solutions", *Composites Part B Engineering* Vol. 46, PP. 108-115.
77. Rokni, H., Seethalerb, R.J., Milani, A., Hosseini Hashemi Sh., Xian-fang L. (2013) "Analytical closed-form solutions for size-dependent static pull-in behavior in electrostatic micro-actuators via Fredholm integral equation", *Sensors and Actuators A Physical* Vol. 43, PP. 2893-2897.
78. Hosseini Hashemi Sh., Rezaee V., Atashipour S.R., Girhammer U.A. (2012) "Accurate free vibration analysis of thick laminated circular plates with attached rigid core", *Journal of Sound and Vibration*, Vol. 331, No. 25, PP. 5581-5596
79. Nazemnezhad R., Salimi M., Hosseini Hashemi Sh., Asgharifard P. (2012) "An analytical study on the nonlinear free vibration of nanoscale beams incorporating surface density effects", *Composites Part B: Engineering*, Vol. 223, No. 10, PP. 2153-2166.

80. Hosseini Hashemi Sh., Salehipour H., Atashipour S.R. (2012) "Exact three-dimensional free vibration analysis of thick homogeneous plates coated by a functionally graded layer", *Acta Mechanica*, Vol. 223, No. 10, PP. 2153-2166.
81. Hosseini Hashemi Sh., Atashipour S.R., Fadaee M., Girhammer U.A. (2012) "An exact closed-form procedure for free vibration analysis of laminated spherical shell panels based on Sanders theory", *Archive of Applied Mechanics*, Vol. 82(7), PP. 985-1002.
82. Yousefi P., Hosseini Hashemi Sh., Kargarnovin M. H. (2012) "Force vibration of laminated plates with various shapes subjected to low-velocity impact", *Journal of Materials Science Research*, Vol. 1, No. 3, PP. 106-116.
83. Hosseini Hashemi Sh., Atashipouri S.R., Fadaee M. (2012) "An exact analytical approach for in-plane and out-of-plane free vibration analysis of thick laminated transversely isotropic plates", *Archive of Applied Mechanics*, Vol. 82(5), PP. 677-698.
84. Hosseini Hashemi Sh., Ilkhani M., Fadaee M. (2012) "Identification of the validity range of Donnell and Sanders shell theories using an exact vibration analysis of functionally graded thick cylindrical shell panel ", *Acta Mechanica*, Vol. 223(5), PP. 1101-1118.
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