Mohammad Arefi

Assistant Professor

Date of Birth:31 March 1984

Nationality: Iranian

Address: Department of Solid Mechanic, Faculty of Mechanical Engineering, University of Kashan, Kashan 87317-51167, Iran

Emails:arefi@kashanu.ac.ir& arefi63@gmail.com

1. Academic Experiences

Ph.D. Mechanic (Applied Mechanic)
Tarbiat Modares University
Dissertation: Piezoelectric analysis of a thick-walled FGP cylinder, Supervisior: Prof. G.H.Rahimi.
Sept. 2008 to Sep. 2012

M.S.C. Mechanic (Applied Mechanic)
Tarbiat Modares University
Sept. 2006 to April 2008

B.S.C Mechanic (Applied Mechanic)
University of Kashan
Sept. 2002 to Jul 2006

2. Teaching experiences

University of Kashan
Title: Assistant Professor; Sept 2012 to now

3. Technical Experience

Alborz pipe and fitting;
Positions: Technical Manager, Production Manager

4. Research Interests

A: Thermo-elastic analysis of Functionally Graded Materials
B: Electro-elastic analysis of Functionally Graded Piezoelectric Materials
C: Shear Deformation Theories
D: Wave Propagation analysis of nano structures
E: Multi-field problem in nano-scale structures
F: Nonlinear analysis of structures

5. Reviewer of journals

International Journal of Pressure Vessels and Pipping (Elsevier)
Latin American Journal of Solids and Structures
Journal of Mechanical Science and Technology (Springer)

Acta Mechanica (Springer)

Ain Shams Engineering Journal (Elsevier)

Structural Engineering and Mechanics (Techno Press)

International Journal of Mechanical Science(Elsevier)

Multidiscipline Modeling in Materials and Structures

Smart Structures and Systems

Journal of Sandwich Structures and Materials

5. Journal Papers

Before PhD

1. **Mohammad Arefi** · G. H. Rahimi, 2012, Three-dimensional multi-field equations of a functionally graded piezoelectric thick shell with variable thickness, curvature and arbitrary nonhomogeneity , **Acta Mechanica(IF=1.3)** 223, 63–79.

2. Rahimi, G.H., Alashti, R.A., **Arefi, M.,** Limit load of the panel with elliptical opening, Shell Structures: Theory and Applications - Proceedings of the 9th SSTA Conference, 2010.

3. **M. Arefi** and G.H. Rahimi, 2012, Studying the nonlinear behavior of the functionally graded annular plates with piezoelectric layers as a sensor and actuator under normal pressure, **Smart Structures and Systems(IF=1.3)**, Vol. 9, No. 2, 127-143.
4. **M. Arefi** , G.H. Rahimi and M.J. Khoshgoftar, 2012, Exact solution of a thick walled functionally graded piezoelectric cylinder under mechanical, thermal and electrical loads in the magnetic field, **Smart Structures and Systems(IF=1.3)**, Vol. 9, No. 5 , 427-439.
5. M J Khoshgoftar, A Ghorbanpour Arani and **M Arefi** , 2009, Thermoelastic analysis of a thick walled cylinder made of functionally graded piezoelectric material, **Smart Materials and Structures (IF=2.1)**. 18 (115007) (8pp).
6. G.H. Rahimi, **M. Arefi**, M.J. Khoshgoftar, 2012, Electro elastic analysis of a pressurized thick-walled functionally graded piezoelectric cylinder using the first order shear deformation theory and energy method, **MECHANIKA(IF=1.3)**. Volume 18(3): 292-300.
7. **M. Arefi**, G.H. Rahimi, 2012, Comprehensive thermoelastic analysis of a functionally graded cylinder with different boundary conditions under internal pressure using first order shear deformation theory, **MECHANIKA(IF=1.3)**. Volume 18(1): 5-13.
8. **M. Arefi**, G. H. Rahimi and M. J. Khoshgoftar, 2011. Optimized design of a cylinder under mechanical, magnetic and thermal loads as a sensor or actuator using a functionally graded piezomagnetic material, **International Journal of the Physical Sciences (IF=0.58)** Vol. 6(27), pp. 6315-6322.
9. **M. Arefi** and G. H. Rahimi, 2010. Thermo elastic analysis of a functionally graded cylinder under internal pressure using first order shear deformation theory, **Scientific Research and Essays(IF=0.5)** Vol. 5(12), pp. 1442-1454,
10. **M. AREFI**, G. H. RAHIMI, 2011. General formulation for the thermoelastic analysis of an arbitrary structure made of functionally graded piezoelectric materials, based on the energy method, **Mechanical Engineering**, 62 c. 4, 221-236.
11. **M. Arefi** and G.H. Rahimi, 2011, Non linear analysis of a functionally graded square plate with two smart layers as sensor and actuator under normal pressure, Smart **Structures and Systems (IF=1.43)**, Vol. 8, No. 5, 433-448.
12. G. H. RAHIMI**, M. AREFI**, M. J. KHOSHGOFTAR, 2011. Application and analysis of functionally graded piezoelectrical rotating cylinder as

mechanical sensor subjected to pressure and thermal loads, **Applied Mathematics and Mechanics (IF=1.12)** 32(8), 997–1008. Springer-Verlag Berlin Heidelberg.

13. **Mohammad Arefi**, G.H. Rahimi, 2012. The effect of nonhomogeneity and end supports on the thermo elastic behavior of a clamped-clamped FG cylinder under mechanical and thermal loads, **International Journal of Pressure Vessels and Piping (IF=1.1)**, 96-97, 30-37.

After PhD

14. **M. Arefi, G. H. Rahimi,** Application of shear deformation theory for two dimensional electro-elastic analysis of an FGP cylinder, **Smart Structures and Systems (IF=1.43)**, Vol. 13, No. 1 (2014) pp. 1-24, 2014.
15. **M. Arefi**, G. H. Rahimi, Non linear analysis of a functionally graded beam with variable thickness, **Scientific Research and Essays (IF=0.5)**, Vol. 8 (6), pp. 256-264, 11 February, 2013.
16. **M. Arefi**, Nonlinear thermoelastic analysis of thick walled functionally graded piezoelectric cylinder, **Acta Mechanica (IF=1.3)**, Vol. 224, pp.2771–2783 (2013).
17. Khoshgoftar M.J., Rahimi G.H. and **Arefi M**. Exact solution of functionally graded thick cylinder with finite length under longitudinally non uniform pressure. **Mechanics Research Communications (IF=1.495),** Vol. 51, pp. 61–66, July 2013.
18. **M.Arefi**, Nonlinear thermal analysis of a functionally graded hollow cylinder with temperature-variable material properties, **Journal of Applied Mechanics and Technical Physics (IF=0.27)**, **Vol. 56, No. 2**, 2015.
19. **M. Arefi**, G. H. Rahimi, Linear thermoelastic analysis of a functionally graded (FG) rotating disk with different boundary conditions using Adomian's decomposition method, **Scientific Research and Essays (IF=0.5)**, Vol. 8 (21), pp. 256-264, 858-866, 4 June 2013.
20. Ali-Asghar Naderi, Gholam-Hossein Rahimi and **Mohammad Arefi**, Influence of fiber paths on buckling load of tailored conical shells, **Steel and Composite Structures (IF=0.95)**, Vol. 16, No. 4 , 375-387, 2014.
21. **M. Arefi**, M.J.Khoshgoftar, Comprehensive piezo-thermo-elastic analysis of a thick hollow spherical shell, **Smart Structures and Systems (IF=1.43),** Vol. 14, No. 2, 225-246, 2014.
22. **M. Arefi**, Nonlinear analysis of a FG beam resting on the elastic nonlinear foundation, **Journal of Theoretical and Applied Mechanics (IF=0.65)**, Vol. 44, No. 2, pp. 101–112, 2014.

23. **M. Arefi,** Generalized shear deformation theory for thermo elastic analyses of the FG shells, **Structural Engineering and Mechanics (IF=0.95),** Vol.50, No.3**,** 403-417, 2014**.**
24. **M. Arefi,** Elastic solution of a curved beam made of functionally graded materials with different cross sections, **Steel and Composite Structures (IF=0.95)**, Vol. 18, No. 3, 659-672, 2015.
25. **M. Arefi,** A complete set of equations for piezo-magneto-elastic analysis of a functionally graded thick shell of revolution, **Latin American Journal of Solids and Structures (IF=1.25)**, Vol.11, No. 11, 2073-2098, 2014.
26. **M. Arefi,** The effect of different functionalities of FGM and FGPM layers on free vibration analysis of the FG circular plates integrated with piezoelectric layers, **Smart Structures and Systems (IF=1.43),** Vol. 15, No. 5 , pp.1345-1362, 2015.
27. **M. Arefi,** I. Nahas, Nonlinear electro thermo elastic analysis of a thick spherical functionally graded piezoelectric shell, **Composite Structures (IF=3.12),** Vol. 18c, pp.510-518, **2014.**
28. **M. Arefi**, Allam, M. N. M. Nonlinear Responses of an Arbitrary FGP Circular Plate Resting on Foundation, **Smart Structures and Systems (IF=1.43),** Vol. 16, No. 1, pp. 81-100, 2015.
29. **M. Arefi,** Nonlinear electromechanical analysis of a functionally graded square plate integrated with smart layers resting on Winkler-Pasternak foundation under normal pressure, **Smart Structures and Systems (IF=1.43),** Vol. 16, No. 1, pp. 195-211, 2015.
30. **M. Arefi**, Nonlinear Electromechanical Stability of a Functionally Graded Circular Plate Integrated With Functionally Graded Piezoelectric Layers, **Latin American Journal of Solids and Structures (IF=1.25)**, **Vol. 12, No.9** ,pp. 1653-1665, 2015.
31. **M. Arefi**, Two-dimensional thermoelastic analysis of a functionally graded cylinder for different functionalities by using the higher-order shear deformation theory, **Journal of Applied Mechanics and Technical Physics (IF=0.25)**, Vol. 56, No. 3, pp. 494-501, 2015.
32. **M. Arefi**, Iman Nahas and Majid Abedi, Thermo-elastic analysis of a rotating hollow cylinder made of arbitrary FGM's, **Journal of Theoretical and Applied Mechanics (IF=0.6)**, Vol. 45, No. 4, 101-120, 2015
33. **M. Arefi**, Considering the surface effect and nonlocal elasticity in wave propagation of a nano functionally graded piezoelectric rod excited to two dimensional electric potential and applied voltage, **Applied Mathematics and Mechanics (English Edition) (IF=1.12),** 37(3), pp. 289-302, 2016.
34. M. Mohammadimehr, R. Rostami, **M. Arefi**, Electro-elastic analysis of a sandwich thick plate considering FG core and composite piezoelectric

layers on Pasternak foundation using TSDT, **Steel and Composite Structures (IF=1.75),** 20 (3), pp. 513-543, 2016.

35. **Mohammad Arefi**, A.R.Abbasi, M.R. Vaziri Sereshk, 2D thermo-elastic analysis of FG cylindrical shell resting on Pasternak's foundation subjected to mechanical and thermal loads based on FSDT formulation, **Journal of Thermal Stresses (IF=1.6)**, 39(5), pp.554-570 **, 2016**.
36. **Mohammad Arefi**, Reza Karrubi, Mohsen Irani Rahagi, Free vibration analysis of functionally graded laminated sandwich cylindrical shells integrated with piezoelectric layers, **Applied Mathematics and Mechanics (English Edition) (IF=1.12),** 2016, 37(7), 821–834.
37. **Mohammad Arefi**, Elyas Mohammad Rezaei Bidgoli, Elastic solution of a constrained FG short cylinder under axially variable pressure, **Journal of The Institution of Engineers (India): Series C, In Press, 2016**.
38. **Mohammad Arefi**, Buckling analysis of the functionally graded sandwich rectangular plates integrated with piezoelectric layers under bi-axial loads, **Journal of Sandwich Structures and Materials(IF=2.85), In Press, 2016.**
39. **Mohammad Arefi**, Analysis of wave in a functionally graded magneto-electro-elastic nano-rod using nonlocal elasticity model subjected to electric and magnetic potentials, **Acta Mechanica (IF=1.69)**, 2016, 227(9), 2529-2542.
40. **Mohammad Arefi**, Ashraf M Zenkour, A simplified shear and normal deformations nonlocal theory for bending of functionally graded piezomagnetic sandwich nanobeams in magneto-thermo-electric environment , **Journal of Sandwich Structures and Materials (IF=2.85),** 2016, Vol. 18(5) 624–651.
41. **Mohammad Arefi**, Reza Faegh Koohi, The effect of axially variable thermal and mechanical loads on the 2D thermo-elastic response of FG cylindrical shell, **The Journal of Thermal Stresses (IF=1.4), Vol. 39(12), pp. 1539-1559, 2016**.
42. **Mohammad Arefi**, Ashraf M Zenkour, Nonlocal transient electro-thermo-mechanical vibration and bending analysis of a functionally graded piezoelectric single-layered nanosheet rest on visco-Pasternak's foundation, **The Journal of Thermal Stresses (IF=1.4), In Press,** 2016.
43. **Mohammad Arefi**, Ashraf M Zenkour, Nonlocal electro-thermo-mechanical analysis of a sandwich nano plate containing a Kelvin-Voigt viscoelastic nanoplate and two piezoelectric layers, **Acta Mechanica (IF=1.69), Accepted** 2016.
44. **Mohammad Arefi**, Mahmoud Pour Jamshidian, Ali Ghorbanpour Arani, Nonlinear free and forced vibration analysis of embedded functionally graded sandwich micro beam with moving mass, **Journal of Sandwich Structures and Materials (IF=2.85), Accepted,** 2016.

45. **Mohammad Arefi**, Ashraf M Zenkour, Employing sinusoidal shear deformation plate theory for transient analysis of three layers sandwich nanoplate integrated with piezo-magnetic face-sheets**, Smart Materials and Structures-IOP (IF=2.88),** Vol.25, No. 11, pp. 115040, 2016.
46. **Mohammad Arefi**, Ashraf M Zenkour, Vibration and bending analysis of a sandwich microbeam with two integrated piezo-magnetic face-sheets, **Composite Structures (IF=3.85)** Vol. 159, 479–490, 2017.
47. **Mohammad Arefi**, Ashraf M Zenkour, Free vibration, wave propagation and tension analyses of a sandwich micro/nano rod subjected to electric potential using strain gradient theory, **Materials Research Express-IOP (IF=0.968)** Vol. 3, No. 11, pp. 115704, 2016.
48. **Mohammad Arefi**, Ashraf M Zenkour, Vibration and bending analysis of a sandwich microbeam with two integrated piezo-magnetic face-sheets, **Smart Structures and Systems** (IF=1.24) Vol. 19 (1), 2017.
49. **Mohammad Arefi**, Ashraf M Zenkour, Thermo-electro-mechanical bending behavior of sandwich nanoplate integrated with piezoelectric face-sheets based on trigonometric plate theory, **Composite Structures (IF=3.85)** Vol. 162, 108–122, 2017.
50. **Mohammad Arefi**, Ashraf M Zenkour, Employing the coupled stress components and surface elasticity for nonlocal solution of wave propagation of a functionally graded piezoelectric Love nanorod model, **Journal of Intelligent Material Systems and Structures (IF=1.975)** Accepted, 2017.
51. Abbas Loghman, Mehrdad Nasr, **Mohammad Arefi**, Non symmetric thermomechanical analysis of a functionally graded cylinder subjected to mechanical, thermal and magnetic loads, **The Journal of Thermal Stresses (IF=1.4)**, Vol. 40, No. 6, pp. 765-782, **2017**.
52. **Mohammad Arefi**, Ashraf M Zenkour, Wave propagation analysis of a functionally graded magneto-electro-elastic nanobeam rest on Visco-Pasternak foundation, **Mechanics Research Communications (IF=1.4)**, Vol. 79, pp. 51-62, 2017.
53. **Mohammad Arefi**, Ashraf M Zenkour, Effect of thermo-magneto-electro-mechanical environments on the bending results of a three-layer nanoplate based on sinusoidal shear deformation plate theory, **Journal of Sandwich Structures and Materials (IF=2.85)**, In Press , 2017.
54. **Mohammad Arefi**, Ashraf M Zenkour, Size dependent vibration and bending analyses of the piezomagnetic three-layer nanobeams, **Applied Physics A, Materials Science & Processing (IF=1.444)**, Vol.123, No. 3, pp. 202, 2017.
55. **Mohammad Arefi**, Ashraf M Zenkour, Transient analysis of a three-layer microbeam subjected to electric potential, **International Journal of Smart and Nano Materials (IF=1.48)**, Vol. 8, No. 1, pp. 20-40, 2017.

56. **Mohammad Arefi**, Ashraf M Zenkour, Electro-magneto-elastic analysis of a three-layer curved beam, **Smart Structures and Systems, *An International Journal* (IF=1.30)**, Vol.19, No.6, pp. 695-703, 2017.
57. **Mohammad Arefi**, Ashraf M Zenkour, Influence of micro-length-scale parameter and inhomogeneities on the bending, free vibration and wave propagation analyses of a FG Timoshenko's sandwich piezoelectric microbeam, **Journal of Sandwich Structures and Materials (IF=2.85),** Accepted, 2017.
58. **Mohammad Arefi**, Masoud Kiani, M.H. Zamani, Size Dependent Free Vibration Analysis of Three-layered Exponentially Graded Nanoplate with Piezomagnetic Face-Sheets Resting on Pasternak's Foundation, **Journal of Intelligent Material Systems and Structures (IF=2.225),** Accepted, 2017.
59. **Mohammad Arefi**, Ashraf M Zenkour, Analysis of wave propagation in a functionally graded nanobeam resting on visco-Pasternak's foundation, **Theoretical and Applied Mechanics Letters (IF=0.65),** Vol. 7(3), pp. 145-151, 2017.
60. **Mohammad Arefi**, Ashraf M Zenkour, Size-dependent analysis of a sandwich curved nanobeam integrated with piezomagnetic face-sheets, **Results in Physics (IF=1)**, Vol.7, pp. 2172-2182, 2017.
61. **Mohammad Arefi**, Ashraf M Zenkour, Thermo-electro-magneto-mechanical bending behavior of size-dependent sandwich piezomagnetic nanoplates, **Mechanics Research Communications (IF=1.7)**, Vol. 84, pp. 27-42, 2017.
62. **Mohammad Arefi**, Ashraf M Zenkour, Size-dependent free vibration and dynamic analyses of piezo-electro-magnetic sandwich nanoplates resting on viscoelastic foundation, **Physica B: Condensed Matter (IF=1.4)**, Vol. 521, pp. 188-197, 2017.
63. **Mohammad Arefi**, Ashraf M Zenkour, Transient sinusoidal shear deformation formulation of a size dependent three-layer piezo-magnetic curved nanobeam, **Acta Mechanica (IF=1.85)**, Vol. 228(10), pp. 3657–3674, 2017.
64. **Mohammad Arefi**, Ashraf M Zenkour, Thermal stress and deformation analysis of a size dependent curved nanobeam based on sinusoidal shear deformation theory, **Alexandria Engineering Journal (IF=2.48)**, Accepted, 2017.
65. **Mohammad Arefi**, Ashraf M Zenkour, Influence of magneto-electric environments on size-dependent bending results of three-layer piezo-magnetic curved nanobeam based on sinusoidal shear deformation theory, **Journal of Sandwich Structures and Materials (IF=2.85)**, Accepted, 2017.
66. **Mohammad Arefi**, Mahmoud Pour Jamshidian, Ali Ghorbanpour Arani, Application of nonlocal strain gradient theory and various shear

deformation theories to nonlinear vibration analysis of sandwich nano-beam with FG-CNTRCs face-sheets in electro-thermal environment, **Applied Physics A (IF=1.45)**, Vol. 123, No. 5, pp. 323, 2017.

67. **Mohammad Arefi**, Ashraf M Zenkour, Vibration and bending analyses of magneto-electro-thermo-elastic sandwich microplates resting on viscoelastic foundation, **Applied Physics A (IF=1.45)**, 123 (8), 550.

68. **Mohammad Arefi**, Ashraf M Zenkour, Size-dependent electro-magneto-elastic bending analyses of the shear-deformable axisymmetric functionally graded circular nanoplates, **European Physical Journal Plus (IF=1.8)**, In Press 2017.
69. **Mohammad Arefi**, Ashraf M Zenkour, Size dependent electro-elastic analysis of a sandwich microbeam based on higher order sinusoidal shear deformation theory and strain gradient theory, **Journal of Intelligent Material Systems and Structures (IF=2.225)**, In Press, 2017.
70. **Mohammad Arefi**, Masoud Kiani, Ashraf M Zenkour, Size-dependent free vibration analysis of a three-layered exponentially graded nano-/micro-plate with piezomagnetic face sheets resting on Pasternak's foundation via MCST , **Journal of Sandwich Structures and Materials (IF=2.85)**, In Press 2017.
71. **Mohammad Arefi**, A.H. Soltan Arani, Higher-order shear deformation bending results of a magneto-electro-thermo-elastic functionally graded nano-beam in thermal, mechanical, electrical and magnetic environments, **Mechanics Based Design of Structures and Machines, An International Journal (IF=1.5)**, In Press 2018.
72. **Mohammad Arefi**, M.H. Zamani, Masoud Kiani, Smart electrical and magnetic stability analysis of exponentially graded shear deformable three-layered nanoplate based on nonlocal piezo-magneto-elasticity theory, **Journal of Sandwich Structures and Materials (IF=2.85),** Accepted, 2018.
73. **Mohammad Arefi**, Analysis of a doubly curved piezoelectric nano shell: Nonlocal electro-elastic bending solution, **European Journal of Mechanics-A/Solids (IF=2.5)**, Vol.70, pp.226-237, 2018.
74. **Mohammad Arefi**, E Mohammad Rezaei Bidgoli, A.M. Zenkour, Free vibration analysis of a sandwich nano-plate including FG core and piezoelectric face-sheets by considering neutral surface, **Mechanics of Advanced Materials and Structures (IF=1.25)**, In-Press, 2018.
75. **Mohammad Arefi**, E Mohammad Rezaei Bidgoli, Electro-elastic displacement and stress analysis of the piezoelectric doubly curved shells resting on Winkler's foundation subjected to applied voltage, **Mechanics of Advanced Materials and Structures (IF=1.25)**, In-Press, 2018.
76. A Loghman, RK Faegh, **M Arefi**, Two dimensional time-dependent creep analysis of a thick-walled FG cylinder based on first order shear

deformation theory, **STEEL AND COMPOSITE STRUCTURES (IF=3.2)** Vol. 26, No.5, 533-547, 2018.

77. **M Arefi**, AM Zenkour, Free vibration analysis of a three-layered microbeam based on strain gradient theory and three-unknown shear and normal deformation theory, **STEEL AND COMPOSITE STRUCTURES (IF=3.2)** Vol. 26, No. 4, 421-437, 2018.
78. **M Arefi**, M Kiani, Magneto-electro-mechanical bending analysis of three-layered exponentially graded microplate with piezomagnetic face-sheets resting on Pasternak's foundation via MCST. **Mechanics of Advanced Materials and Structures (IF=1.25)**, In-Press, 2018.
79. **M Arefi**, EMR Bidgoli, R Dimitri, M Bacciocchi, F Tornabene, Application of sinusoidal shear deformation theory and physical neutral surface to analysis of functionally graded piezoelectric plate, **Composites Part B: Engineering (IF=4.77)**, Vol. 151, pp.35-50, 2018.
80. **M Arefi**, M Mohammadi, A Tabatabaeian, R Dimitri, F Tornabene, Two-dimensional thermo-elastic analysis of FG-CNTRC cylindrical pressure vessels, **STEEL AND COMPOSITE STRUCTURES (IF=3.2)** 27 (4), 525-536, 2018.
81. **M Arefi**, Nonlocal free vibration analysis of a doubly curved piezoelectric nano shell, **STEEL AND COMPOSITE STRUCTURES (IF=3.2)** 27 (4), 479-493, 2018.
82. **M Arefi**, M Pourjamshidian, AG Arani, Free vibration analysis of a piezoelectric curved sandwich nano-beam with FG-CNTRCs face-sheets based on various high-order shear deformation and nonlocal elasticity theories, **The European Physical Journal Plus (IF=1.8)** 133 (5), 193, 2018.
83. **M Arefi**, Size-dependent bending behavior of three-layered doubly curved shells: Modified couple stress formulation, **Journal of Sandwich Structures and Materials (IF=2.85),** Accepted, 2018.
84. **M Arefi**, Nonlocal strain gradient theory for the magneto-electro-elastic vibration response of a porous FG-core sandwich nanoplate with piezomagnetic face sheets resting on an elastic foundation, **Journal of Sandwich Structures and Materials (IF=2.85)**, Accepted, 2018.
85. **M Arefi**, E Mohammad-Rezaei Bidgoli, AM Zenkour, Size-dependent free vibration and dynamic analyses of a sandwich microbeam based on higher-order sinusoidal shear deformation theory and strain gradient theory, **Smart Structures and Systems (IF=2.33)** 22 (1), 27-40, 2018.
86. A Ghorbanpour Arani, M Pourjamshidian, **M Arefi**, Non-linear free and forced vibration analysis of sandwich nano-beam with FG-CNTRC face-sheets based on nonlocal strain gradient theory **Smart Structures and Systems (IF=2.33)** 22 (1), 105-122
87. **M Arefi,** EMR Bidgoli, R Dimitri, F Tornabene, Free vibrations of functionally graded polymer composite nanoplates reinforced with

graphene nanoplatelets, **Aerospace Science and Technology (IF=2.3)**, 81, 108-117, 2018.

88. **M Arefi**, AM Zenkour, Free vibration analysis of a three-layered microbeam based on strain gradient theory and three-unknown shear and normal deformation theory, **Modern Physics Letters B (IF=0.7) 32 (03)**, 1850033[16 pages], 2018.

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