

Roohollah Talebitooti

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1987395/publications.pdf>

Version: 2024-02-01

97
papers

2,393
citations

147801

31
h-index

289244

40
g-index

97
all docs

97
docs citations

97
times ranked

855
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Functionally graded viscoelastic core characteristics on vibroacoustic behavior of double-walled cylindrical shells in a subsonic external flow. <i>JVC/Journal of Vibration and Control</i> , 2023, 29, 265-285. | 2.6 | 4 |
| 2 | Acoustic insulation characteristics of sandwich composite shell systems with double curvature: The effect of nature of viscoelastic core. <i>JVC/Journal of Vibration and Control</i> , 2023, 29, 1076-1090. | 2.6 | 33 |
| 3 | An analytical study of the effects of a circumferentially corrugated core on sound transmission through double-walled cylindrical shells. <i>JVC/Journal of Vibration and Control</i> , 2023, 29, 3580-3592. | 2.6 | 3 |
| 4 | Analytical investigation on sound transmission loss of functionally graded nanocomposite cylindrical shells reinforced by carbon nanotubes. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 3386-3403. | 4.7 | 8 |
| 5 | Prediction of acoustic wave transmission features of the multilayered plate constructions: A review. <i>Journal of Sandwich Structures and Materials</i> , 2022, 24, 218-293. | 3.5 | 42 |
| 6 | Improving the Sound Absorption of Natural Waste Material-based Sound Absorbers Using Micro-perforated Plates. <i>Journal of Natural Fibers</i> , 2022, 19, 5199-5210. | 3.1 | 4 |
| 7 | Haar wavelet technique applied on the functionally graded carbon nanotube reinforced conical shells to study free vibration and buckling behaviors in thermal environments. <i>JVC/Journal of Vibration and Control</i> , 2022, 28, 1863-1878. | 2.6 | 6 |
| 8 | Investigations on magnetic bistable PZT-based absorber for concurrent energy harvesting and vibration mitigation: Numerical and analytical approaches. <i>Energy</i> , 2022, 239, 122376. | 8.8 | 33 |
| 9 | Investigating the performance of tri-stable magneto-piezoelastic absorber in simultaneous energy harvesting and vibration isolation. <i>Applied Mathematical Modelling</i> , 2022, 102, 661-693. | 4.2 | 32 |
| 10 | Acoustic insulation feature of multiphase magneto-electro-elasticity shell systems with double curvature. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 6530-6542. | 2.6 | 4 |
| 11 | Concurrent energy harvesting and vibration suppression utilizing PZT-based dynamic vibration absorber. <i>Archive of Applied Mechanics</i> , 2022, 92, 363-382. | 2.2 | 5 |
| 12 | Acoustic wave transmission characteristics of stiffened composite shell systems with double curvature. <i>Composite Structures</i> , 2022, 292, 115688. | 5.8 | 39 |
| 13 | The study of sound transmission through sandwich cylindrical shells with circumferentially corrugated cores filled with porous materials. <i>Composite Structures</i> , 2022, 291, 115608. | 5.8 | 8 |
| 14 | Critical speed and frequency behavior of rotating joined FG-CNTRC conical-conical shells. <i>Engineering Structures</i> , 2022, 266, 114508. | 5.3 | 4 |
| 15 | On wave dispersion characteristics of fluid-conveying smart nanotubes considering surface elasticity and flexoelectricity approach. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 3506-3518. | 2.1 | 4 |
| 16 | A variational iteration method (VIM) for nonlinear dynamic response of a cracked plate interacting with a fluid media. <i>Engineering With Computers</i> , 2021, 37, 3299-3318. | 6.1 | 11 |
| 17 | Multi-objective optimization approach on diffuse sound transmission through poroelastic composite sandwich structure. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 1221-1252. | 3.5 | 31 |
| 18 | Frequency study on panel type of FG-CNTRC joined conical-conical structures. <i>Composite Structures</i> , 2021, 259, 113241. | 5.8 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | The effect of considering Pasternak elastic foundation on acoustic insulation of the finite doubly curved composite structures. <i>Composite Structures</i> , 2021, 256, 113064. | 5.8 | 29 |
| 20 | Effect of Honeycomb Core on Free Vibration Analysis of Fiber Metal Laminate (FML) Beams Compared to Conventional Composites. <i>Composite Structures</i> , 2021, 261, 113281. | 5.8 | 10 |
| 21 | Analysis of wave propagation through functionally graded porous cylindrical structures considering the transfer matrix method. <i>Thin-Walled Structures</i> , 2021, 159, 107212. | 5.3 | 23 |
| 22 | A Review Approach for Sound Propagation Prediction of Plate Constructions. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 2817-2843. | 10.2 | 48 |
| 23 | Hybrid control technique for vibroacoustic performance analysis of a smart doubly curved sandwich structure considering sensor and actuator layers. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 1453-1480. | 3.5 | 29 |
| 24 | Acoustic Insulation Characteristics of Shell Structures: A Review. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 505-523. | 10.2 | 52 |
| 25 | Improvement of the low-frequency sound insulation of the poroelastic aerospace constructions considering Pasternak elastic foundation. <i>Aerospace Science and Technology</i> , 2021, 112, 106620. | 4.8 | 41 |
| 26 | Exploiting bi-stable magneto-piezoelectric absorber for simultaneous energy harvesting and vibration mitigation. <i>International Journal of Mechanical Sciences</i> , 2021, 207, 106618. | 6.7 | 50 |
| 27 | Mechanism study and power transmission feature of acoustically stimulated and thermally loaded composite shell structures with double curvature. <i>Composite Structures</i> , 2021, 276, 114557. | 5.8 | 35 |
| 28 | Vibration and stability analysis of fluid-conveying sandwich micro-pipe with magnetorheological elastomer core, considering modified couple stress theory and geometrical nonlinearity. <i>European Physical Journal Plus</i> , 2021, 136, 1. | 2.6 | 5 |
| 29 | Investigation of state vector computational solution on modeling of wave propagation through functionally graded nanocomposite doubly curved thick structures. <i>Engineering With Computers</i> , 2020, 36, 1417-1433. | 6.1 | 29 |
| 30 | Optimization of Sound transmission through composite cylinder with poroelastic core considering VCM. <i>Mechanics of Advanced Materials and Structures</i> , 2020, 27, 238-249. | 2.6 | 3 |
| 31 | A semi-analytical approach on the effect of external lateral pressure on free vibration of joined sandwich aerospace composite conical-conical shells. <i>Aerospace Science and Technology</i> , 2020, 99, 105559. | 4.8 | 25 |
| 32 | Radiated sound control from a smart cylinder subjected to piezoelectric uncertainties based on sliding mode technique using self-adjusting boundary layer. <i>Aerospace Science and Technology</i> , 2020, 106, 106141. | 4.8 | 31 |
| 33 | Thermal effects on the free vibration of joined FG-CNTRC conical-conical shells. <i>Thin-Walled Structures</i> , 2020, 156, 106960. | 5.3 | 16 |
| 34 | Acoustic performance prediction of a multilayered finite cylinder equipped with porous foam media. <i>JVC/Journal of Vibration and Control</i> , 2020, 26, 899-912. | 2.6 | 38 |
| 35 | Acoustic wave transmission through a polymeric foam plate using the mathematical model of functionally graded viscoelastic (FGV) material. <i>Thin-Walled Structures</i> , 2020, 148, 106466. | 5.3 | 13 |
| 36 | Applying a functionally graded viscoelastic model on acoustic wave transmission through the polymeric foam cylindrical shell. <i>Composite Structures</i> , 2020, 244, 112261. | 5.8 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Flutter and bifurcation instability analysis of fluid-conveying micro-pipes sandwiched by magnetostrictive smart layers under thermal and magnetic field. <i>International Journal of Mechanics and Materials in Design</i> , 2020, 16, 569-588. | 3.0 | 17 |
| 38 | Efficient acoustic energy harvesting by deploying magnetic restoring force. <i>Smart Materials and Structures</i> , 2019, 28, 105037. | 3.5 | 25 |
| 39 | Flexoelectric effects on wave propagation responses of piezoelectric nanobeams via nonlocal strain gradient higher order beam model. <i>Materials Research Express</i> , 2019, 6, 1050d5. | 1.6 | 20 |
| 40 | A robust optimum controller for suppressing radiated sound from an intelligent cylinder based on sliding mode method considering piezoelectric uncertainties. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 3066-3079. | 2.5 | 27 |
| 41 | Wideband PZT energy harvesting from the wake of a bluff body in varying flow speeds. <i>International Journal of Mechanical Sciences</i> , 2019, 163, 105135. | 6.7 | 54 |
| 42 | Vibroacoustic behavior of a plate surrounded by a cavity containing an inclined part through surface crack with arbitrary position. <i>JVC/Journal of Vibration and Control</i> , 2019, 25, 2365-2379. | 2.6 | 5 |
| 43 | Efficient energy harvesting from nonlinear vibrations of PZT beam under simultaneous resonances. <i>Energy</i> , 2019, 182, 369-380. | 8.8 | 37 |
| 44 | State vector computational technique for three-dimensional acoustic sound propagation through doubly curved thick structure. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 352, 324-344. | 6.6 | 33 |
| 45 | Flexoelectric and surface effects on size-dependent flow-induced vibration and instability analysis of fluid-conveying nanotubes based on flexoelectricity beam model. <i>International Journal of Mechanical Sciences</i> , 2019, 156, 474-485. | 6.7 | 33 |
| 46 | Investigating Hyperbolic Shear Deformation Theory on vibroacoustic behavior of the infinite Functionally Graded thick plate. <i>Latin American Journal of Solids and Structures</i> , 2019, 16, . | 1.0 | 20 |
| 47 | Comprehensive semi-analytical vibration analysis of rotating tapered AFG nanobeams based on nonlocal elasticity theory considering various boundary conditions via differential transformation method. <i>Composites Part B: Engineering</i> , 2019, 160, 412-435. | 12.0 | 31 |
| 48 | Incorporating the Havriliak-Negami model in wave propagation through polymeric viscoelastic core in a laminated sandwich cylinder. <i>Thin-Walled Structures</i> , 2019, 134, 460-474. | 5.3 | 16 |
| 49 | Thermal buckling and free vibration of FG truncated conical shells with stringer and ring stiffeners using differential quadrature method. <i>Mechanics Based Design of Structures and Machines</i> , 2019, 47, 255-282. | 4.7 | 41 |
| 50 | Haar wavelet discretization approach for frequency analysis of the functionally graded generally doubly-curved shells of revolution. <i>Applied Mathematical Modelling</i> , 2019, 67, 645-675. | 4.2 | 37 |
| 51 | Investigation of three-dimensional theory on sound transmission through compressed proelastic sandwich cylindrical shell in various boundary configurations. <i>Journal of Sandwich Structures and Materials</i> , 2019, 21, 2313-2357. | 3.5 | 35 |
| 52 | Vibroacoustic behavior of orthotropic aerospace composite structure in the subsonic flow considering the Third order Shear Deformation Theory. <i>Aerospace Science and Technology</i> , 2018, 75, 227-236. | 4.8 | 52 |
| 53 | The effect of nature of porous material on diffuse field acoustic transmission of the sandwich aerospace composite doubly curved shell. <i>Aerospace Science and Technology</i> , 2018, 78, 157-170. | 4.8 | 78 |
| 54 | Investigation on sound transmission through thick-wall cylindrical shells using 3D- theory of elasticity in the presence of external and mean air-gap flow. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 975-1000. | 2.6 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Investigation of power transmission across laminated composite doubly curved shell in the presence of external flow considering shear deformation shallow shell theory. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4492-4504. | 2.6 | 36 |
| 56 | Wave transmission across laminated composite plate in the subsonic flow Investigating Two-variable Refined Plate Theory. <i>Latin American Journal of Solids and Structures</i> , 2018, 15, . | 1.0 | 27 |
| 57 | The influence of boundaries on sound insulation of the multilayered aerospace poroelastic composite structure. <i>Aerospace Science and Technology</i> , 2018, 80, 452-471. | 4.8 | 47 |
| 58 | Wave propagation in viscous-fluid-conveying piezoelectric nanotubes considering surface stress effects and Knudsen number based on nonlocal strain gradient theory. <i>European Physical Journal Plus</i> , 2018, 133, 1. | 2.6 | 44 |
| 59 | Active-suspension Design for a Special Road-Rail Vehicle Based on Vehicle-Track Coupled Model Using Genetic Algorithm. <i>International Journal of Acoustics and Vibrations</i> , 2018, 23, . | 0.3 | 0 |
| 60 | Wave propagation across double-walled laminated composite cylindrical shells along with air-gap using three-dimensional theory. <i>Composite Structures</i> , 2017, 165, 44-64. | 5.8 | 23 |
| 61 | Vibroacoustic study on a multilayered functionally graded cylindrical shell with poroelastic core and bonded-unbonded configuration. <i>Journal of Sound and Vibration</i> , 2017, 393, 157-175. | 3.9 | 38 |
| 62 | Nonlinear transient thermo-elastic analysis of a 2D-FGM thick hollow finite length cylinder. <i>Composites Part B: Engineering</i> , 2017, 111, 211-227. | 12.0 | 37 |
| 63 | Study of imperfect bonding effects on sound transmission loss through functionally graded laminated sandwich cylindrical shells. <i>International Journal of Mechanical Sciences</i> , 2017, 133, 469-483. | 6.7 | 21 |
| 64 | Multi objective optimization of sound transmission across laminated composite cylindrical shell lined with porous core investigating Non-dominated Sorting Genetic Algorithm. <i>Aerospace Science and Technology</i> , 2017, 69, 269-280. | 4.8 | 90 |
| 65 | An exact solution of three-dimensional elasticity for sound transmission loss through FG cylinder in presence of subsonic external flow. <i>International Journal of Mechanical Sciences</i> , 2017, 120, 105-119. | 6.7 | 21 |
| 66 | Acoustic transmission through laminated composite cylindrical shell employing Third order Shear Deformation Theory in the presence of subsonic flow. <i>Composite Structures</i> , 2016, 157, 95-110. | 5.8 | 60 |
| 67 | Three dimensional sound transmission through poroelastic cylindrical shells in the presence of subsonic flow. <i>Journal of Sound and Vibration</i> , 2016, 363, 380-406. | 3.9 | 42 |
| 68 | Identification of tire force characteristics using a Hybrid method. <i>Applied Soft Computing Journal</i> , 2016, 40, 70-85. | 7.2 | 6 |
| 69 | Analysis of sound transmission loss through thick-walled cylindrical shell using three-dimensional elasticity theory. <i>International Journal of Mechanical Sciences</i> , 2016, 106, 286-296. | 6.7 | 43 |
| 70 | Optimal control of laminated plate integrated with piezoelectric sensor and actuator considering TSDT and meshfree method. <i>European Journal of Mechanics, A/Solids</i> , 2016, 55, 199-211. | 3.7 | 22 |
| 71 | Three-dimensional wave propagation on orthotropic cylindrical shells with arbitrary thickness considering state space method. <i>Composite Structures</i> , 2015, 132, 239-254. | 5.8 | 13 |
| 72 | Shape design optimization of cylindrical tank using b-spline curves. <i>Computers and Fluids</i> , 2015, 109, 100-112. | 2.5 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Vibroacoustic Response of a Double-Walled Cylindrical FGM Shell with a Porous Sandwiched Layer. <i>Mechanics of Composite Materials</i> , 2015, 51, 581-592. | 1.4 | 7 |
| 74 | Sound transmission across orthotropic cylindrical shells using third-order shear deformation theory. <i>Latin American Journal of Solids and Structures</i> , 2014, 11, 2039-2072. | 1.0 | 6 |
| 75 | Study on TVD parameters sensitivity of a crankshaft using multiple scale and state space method considering quadratic and cubic non-linearities. <i>Latin American Journal of Solids and Structures</i> , 2014, 11, 2672-2695. | 1.0 | 9 |
| 76 | Investigation on natural frequency of an optimized elliptical container using real-coded genetic algorithm. <i>Latin American Journal of Solids and Structures</i> , 2014, 11, 113-129. | 1.0 | 5 |
| 77 | A study on acoustic behavior of poroelastic media bonded between laminated composite panels. <i>Latin American Journal of Solids and Structures</i> , 2014, 11, 2379-2407. | 1.0 | 11 |
| 78 | Power transmission through double-walled laminated composite panels considering porous layer-air gap insulation. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2014, 35, 1447-1466. | 3.6 | 10 |
| 79 | Vibration and Critical Speed of Orthogonally Stiffened Rotating FG Cylindrical Shell Under Thermo-Mechanical Loads Using Differential Quadrature Method. <i>Journal of Thermal Stresses</i> , 2013, 36, 160-188. | 2.0 | 21 |
| 80 | Free vibration and critical speed of moderately thick rotating laminated composite conical shell using generalized differential quadrature method. <i>Applied Mathematics and Mechanics (English)</i> Tj ETQq0 0 0 rgBT3@overlock210 Tf 50 4 | 1.0 | 23 |
| 81 | Dynamic Analysis and critical speed of rotating laminated conical shells with orthogonal stiffeners using generalized differential quadrature method. <i>Latin American Journal of Solids and Structures</i> , 2013, 10, 349-390. | 1.0 | 23 |
| 82 | Optimum Design of 1st Gear Ratio for 4WD Vehicles Based on Vehicle Dynamic Behaviour. <i>Advances in Mechanical Engineering</i> , 2013, 5, 474872. | 1.6 | 2 |
| 83 | Bending behavior of empty and foam-filled aluminum tubes with different cross-sections. <i>Acta Mechanica Solida Sinica</i> , 2012, 25, 616-626. | 1.9 | 33 |
| 84 | Acoustical Modeling of Laminated Composite Cylindrical Double-Walled Shell Lined with Porous Materials. , 2012, , . | | 1 |
| 85 | Optimization of sound transmission through laminated composite cylindrical shells by using a genetic algorithm. <i>Mechanics of Composite Materials</i> , 2011, 47, 481-494. | 1.4 | 10 |
| 86 | Wave transmission through laminated composite double-walled cylindrical shell lined with porous materials. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2011, 32, 701-718. | 3.6 | 43 |
| 87 | Free vibrations of rotating composite conical shells with stringer and ring stiffeners. <i>Archive of Applied Mechanics</i> , 2010, 80, 201-215. | 2.2 | 42 |
| 88 | Analytical model of sound transmission through relatively thick FGM cylindrical shells considering third order shear deformation theory. <i>Composite Structures</i> , 2010, 93, 67-78. | 5.8 | 59 |
| 89 | Dynamic Analysis and Critical Speed of Pressurized Rotating Composite Laminated Conical Shells Using Generalized Differential Quadrature Method. <i>Journal of Mechanics</i> , 2010, 26, 61-70. | 1.4 | 1 |
| 90 | Acoustic Transmission Through Cylindrical Shells Treated with FLD Mechanisms. <i>Journal of Mechanics</i> , 2009, 25, 299-306. | 1.4 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 91 | Analytical model of sound transmission through orthotropic cylindrical shells with subsonic external flow. <i>Aerospace Science and Technology</i> , 2009, 13, 18-26. | 4.8 | 55 |
| 92 | Analytical model of sound transmission through laminated composite cylindrical shells considering transverse shear deformation. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2008, 29, 1165-1177. | 3.6 | 28 |
| 93 | ANALYTICAL MODEL OF SOUND TRANSMISSION THROUGH ORTHOTROPIC DOUBLE WALLED CYLINDRICAL SHELLS. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2008, 32, 43-66. | 0.8 | 4 |
| 94 | Sound transmission through laminated composite cylindrical shells using analytical model. <i>Archive of Applied Mechanics</i> , 2007, 77, 363-379. | 2.2 | 47 |
| 95 | Acoustic performance prediction of a multilayered finite cylinder equipped with porous foam media. , 0, . | | 1 |
| 96 | On size-dependent wave propagation of flexoelectric nanoshells interacted with internal moving fluid flow. <i>Waves in Random and Complex Media</i> , 0, , 1-30. | 2.7 | 3 |
| 97 | On size-dependent nonlinear forced dynamics of MRE-cored sandwich micro-pipes in presence of moving flow and harmonic excitation. <i>Mechanics of Advanced Materials and Structures</i> , 0, , 1-20. | 2.6 | 0 |