

Lihong Tong

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

551
citations

759190

12
h-index

677123

22
g-index

36
all docs

36
docs citations

36
times ranked

378
citing authors

#	ARTICLE	IF	CITATIONS
1	Exact solutions of bending deflections for nano-beams and nano-plates based on nonlocal elasticity theory. <i>Composite Structures</i> , 2015, 125, 304-313.	5.8	85
2	On wave propagation characteristics in fluid saturated porous materials by a nonlocal Biot theory. <i>Journal of Sound and Vibration</i> , 2016, 379, 106-118.	3.9	55
3	Theory of suspended carbon nanotube thinfilm as a thermal-acoustic source. <i>Journal of Sound and Vibration</i> , 2013, 332, 5451-5461.	3.9	49
4	Transverse free vibration and stability of axially moving nanoplates based on nonlocal elasticity theory. <i>Applied Mathematical Modelling</i> , 2017, 45, 65-84.	4.2	46
5	Gas-Filled Encapsulated Thermal-Acoustic Transducer. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2013, 135, .	1.6	30
6	Gap separation effect on thermoacoustic wave generation by heated suspended CNT nano-thinfilm. <i>Applied Thermal Engineering</i> , 2015, 86, 135-142.	6.0	25
7	Generation of High-Intensity Focused Ultrasound by Carbon Nanotube Opto-Acoustic Lens. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2014, 81, .	2.2	19
8	Nonlinear wave propagation in porous materials based on the Biot theory. <i>Journal of the Acoustical Society of America</i> , 2017, 142, 756-770.	1.1	19
9	Strain gradient nonlocal Biot poromechanics. <i>International Journal of Engineering Science</i> , 2020, 156, 103372.	5.0	19
10	Longitudinal and Torsional Vibration Characteristics of Boron Nitride Nanotubes. <i>Journal of Vibration Engineering and Technologies</i> , 2019, 7, 205-215.	2.2	16
11	Nonlocal scale effect on Rayleigh wave propagation in porous fluid-saturated materials. <i>International Journal of Mechanical Sciences</i> , 2018, 148, 459-466.	6.7	15
12	Theory and modeling of cylindrical thermo-acoustic transduction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 2123-2128.	2.1	14
13	Scattering of a plane wave by shallow buried cylindrical lining in a poroelastic half-space. <i>Applied Mathematical Modelling</i> , 2019, 70, 171-189.	4.2	14
14	Analytical solution of low-velocity impact of graphene-reinforced composite functionally graded cylindrical shells. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	13
15	Thermo-acoustics generated by periodically heated thin line array. <i>Journal of Sound and Vibration</i> , 2018, 427, 28-40.	3.9	12
16	Dynamic Weakening of Sandstone Subjected to Repetitive Impact Loading. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 2197-2206.	5.4	12
17	Dynamic responses of shallow buried composite cylindrical lining embedded in saturated soil under incident P wave based on nonlocal-Biot theory. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 121, 40-56.	3.8	10
18	Nonlinear dynamic behavior of cemented granular materials under impact loading. <i>International Journal of Mechanical Sciences</i> , 2019, 151, 70-75.	6.7	10

#	ARTICLE	IF	CITATIONS
19	Vertical dynamic response of an end-bearing pile considering the nonlocal effect of saturated soil. Computers and Geotechnics, 2020, 121, 103461.	4.7	10
20	Broadband signal response of thermo-acoustic devices and its applications. Journal of the Acoustical Society of America, 2017, 141, 2430-2439.	1.1	8
21	Free vibration analysis of single-walled boron nitride nanotubes based on a computational mechanics framework. Superlattices and Microstructures, 2017, 112, 230-248.	3.1	8
22	Elastic buckling of nanoplates based on general third-order shear deformable plate theory including both size effects and surface effects. International Journal of Mechanics and Materials in Design, 2021, 17, 521-543.	3.0	8
23	Statistical model predicts softening and fluidization induced by vibration in granular materials. International Journal of Mechanical Sciences, 2020, 171, 105373.	6.7	7
24	Aseismic Performance Analysis of Composite Lining Embedded in Saturated Poroelastic Half Space. International Journal of Geomechanics, 2020, 20, 04020156.	2.7	7
25	Generation of mirage effect by heated carbon nanotube thin film. Journal of Applied Physics, 2014, 115, 244905.	2.5	6
26	A Human-Based Study of Hand-Arm Vibration Exposure Limits for Construction Workers. Journal of Vibration Engineering and Technologies, 2019, 7, 379-388.	2.2	6
27	Dynamic effect of a moving ring load on a cylindrical structure embedded in poroelastic space based on nonlocal Biot theory. Soil Dynamics and Earthquake Engineering, 2020, 128, 105897.	3.8	6
28	Damage of Sandstone Induced by Repetitive Impact Loading. International Journal of Geomechanics, 2020, 20, .	2.7	6
29	On the dynamic response of a poroelastic medium subjected to a moving load based on nonlocal Biot theory. Computers and Geotechnics, 2021, 134, 104118.	4.7	5
30	On propagation characteristics of Rayleigh wave in saturated porous media based on the strain gradient nonlocal Biot theory. Computers and Geotechnics, 2022, 141, 104522.	4.7	5
31	On the reflection and diffraction of carbon nanotube array thin film. Wave Motion, 2019, 90, 196-204.	2.0	2
32	Fluidity characteristic of granular materials within low frequency dynamics. International Journal of Mechanical Sciences, 2021, 202-203, 106508.	6.7	2
33	Spontaneous Arched Graphene Under Uniaxial Compression and Bistable Interswitch Behaviors of Single-Layer Graphene. Journal of Vibration Engineering and Technologies, 0, , 1.	2.2	2
34	On wave transmission in saturated soil system separated by a nonlinear isolated layer. Computers and Geotechnics, 2021, 136, 104211.	4.7	0
35	Influence of Lower Double-Track Tunnel Spacing on the Stress and Deformation Characteristics of Upper Tunnel in Double-Level Condominium Tunnels. Geofluids, 2022, 2022, 1-12.	0.7	0