Lihong Tong

List of Publications by Year
in descending order

35 papers	551 citations	759233 12 h-index	677142 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. Composite Structures, 2015, 125, 304-313.	5.8	85
2	On wave propagation characteristics in fluid saturated porous materials by a nonlocal Biot theory. Journal of Sound and Vibration, 2016, 379, 106-118.	3.9	55
3	Theory of suspended carbon nanotube thinfilm as a thermal-acoustic source. Journal of Sound and Vibration, 2013, 332, 5451-5461.	3.9	49
4	Transverse free vibration and stability of axially moving nanoplates based on nonlocal elasticity theory. Applied Mathematical Modelling, 2017, 45, 65-84.	4.2	46
5	Gas-Filled Encapsulated Thermal-Acoustic Transducer. Journal of Vibration and Acoustics, Transactions of the ASME, 2013, 135, .	1.6	30
6	Gap separation effect on thermoacoustic wave generation by heated suspended CNT nano-thinfilm. Applied Thermal Engineering, 2015, 86, 135-142.	6.0	25
7	Generation of High-Intensity Focused Ultrasound by Carbon Nanotube Opto-Acoustic Lens. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	2.2	19
8	Nonlinear wave propagation in porous materials based on the Biot theory. Journal of the Acoustical Society of America, 2017, 142, 756-770.	1.1	19
9	Strain gradient nonlocal Biot poromechanics. International Journal of Engineering Science, 2020, 156, 103372.	5.0	19
10	Longitudinal and Torsional Vibration Characteristics of Boron Nitride Nanotubes. Journal of Vibration Engineering and Technologies, 2019, 7, 205-215.	2.2	16
11	Nonlocal scale effect on Rayleigh wave propagation in porous fluid-saturated materials. International Journal of Mechanical Sciences, 2018, 148, 459-466.	6.7	15
12	Theory and modeling of cylindrical thermo-acoustic transduction. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 2123-2128.	2.1	14
13	Scattering of a plane wave by shallow buried cylindrical lining in a poroelastic half-space. Applied Mathematical Modelling, 2019, 70, 171-189.	4.2	14
14	Analytical solution of low-velocity impact of graphene-reinforced composite functionally graded cylindrical shells. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	13
15	Thermo-acoustics generated by periodically heated thin line array. Journal of Sound and Vibration, 2018, 427, 28-40.	3.9	12
16	Dynamic Weakening of Sandstone Subjected to Repetitive Impact Loading. Rock Mechanics and Rock Engineering, 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. Soil Dynamics and Earthquake Engineering, 2019, 121, 40-56.	3.8	10
18	Nonlinear dynamic behavior of cemented granular materials under impact loading. International Journal of Mechanical Sciences, 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