

# DoëĐ°Ñ€Đ°Ñ,

## List of Publications by Year in descending order

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57  
papers

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citations

1040056

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g-index

58  
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58  
docs citations

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times ranked

82  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of a cavitation bubble near a solid wall. Thermophysics and Aeromechanics, 2016, 23, 211-220.	0.5	27
2	Flutter and Forced Response of a Cantilevered Pipe: The Influence of Internal Pressure and Nozzle Discharge. Journal of Fluids and Structures, 1994, 8, 139-156.	3.4	25
3	DEVELOPMENT OF LONGITUDINAL GAS OSCILLATIONS IN A CLOSED TUBE. Journal of Sound and Vibration, 1996, 195, 359-374.	3.9	17
4	Influence of the ambient pressure on thin plate and film bending. Doklady Physics, 2017, 62, 461-464.	0.7	15
5	Diagnosis of damage of a cantilever beam with a notch. Russian Journal of Nondestructive Testing, 2009, 45, 430-435.	0.9	12
6	Buckling and Post-buckling Behavior of a Pipe Subjected to Internal Pressure. Journal of Applied Mechanics, Transactions ASME, 1995, 62, 595-600.	2.2	11
7	Extreme Focusing of Energy during Shock Compression of the Vapor Bubble in Hydrocarbon Liquids. High Temperature, 2019, 57, 228-235.	1.0	10
8	Evolution of distortions of the spherical shape of a cavitation bubble in acoustic supercompression. Fluid Dynamics, 2010, 45, 50-61.	0.9	9
9	Evolution of deviations from the spherical shape of a vapor bubble in supercompression. Journal of Applied Mechanics and Technical Physics, 2014, 55, 444-461.	0.5	9
10	The interaction of instabilities in a hydroelastic system. Prikladnaya Matematika I Mekhanika, 2016, 80, 400-408.	0.4	9
11	The Influence of Surface Effects on Bending and Vibrations of Nanofilms. Physics of the Solid State, 2019, 61, 1779-1784.	0.6	9
12	Dynamics of a Pipeline under the Action of Internal Shock Pressure. Mechanics of Solids, 2017, 52, 663-674.	0.7	8
13	Dependence of dynamic buckling of a rod on the initial conditions. Doklady Physics, 2014, 59, 385-388.	0.7	7
14	Flexural model for a notched beam: Direct and inverse problems. Journal of Applied Mechanics and Technical Physics, 2013, 54, 132-141.	0.5	6
15	Spatial Vibrations of a Pipeline with Elastically Deflecting Support under the Action of Internal Shock Pressure. Journal of Machinery Manufacture and Reliability, 2018, 47, 479-487.	0.5	6
16	Large deflection of superconducting cable. International Journal of Non-Linear Mechanics, 1999, 34, 869-880.	2.6	5
17	Reconstruction of harmonics during the dynamic loss of stability in mechanical systems. Doklady Physics, 2010, 55, 297-301.	0.7	5
18	Spatial vibrations of a pipeline in a continuous medium under the action of variable internal pressure. Journal of Machinery Manufacture and Reliability, 2016, 45, 485-494.	0.5	5

#	ARTICLE	IF	CITATIONS
19	Longitudinal vibrations of a bar with incipient transverse cracks. <i>Mechanics of Solids</i> , 2017, 52, 18-24.	0.7	5
20	Rearrangement of harmonics during bending of a cylindrical shell under dynamic compression. <i>Journal of Applied Mechanics and Technical Physics</i> , 2011, 52, 471-477.	0.5	4
21	Interaction between hydrodynamic and elastic instabilities. <i>Doklady Physics</i> , 2015, 60, 296-298.	0.7	4
22	Spatial aperiodic vibrations of the pipelines under transient internal pressure. <i>Journal of Machinery Manufacture and Reliability</i> , 2017, 46, 87-95.	0.5	4
23	Generalization of the Thin Plate Bending Equation under the Action of Gas. <i>Mechanics of Solids</i> , 2019, 54, 348-355.	0.7	4
24	Expansion, compression, and stability of a cavity in a fluid under strong acoustic forcing. <i>Doklady Physics</i> , 2010, 55, 317-320.	0.7	3
25	Reflection of a decaying traveling wave from a notch in a bar. <i>Mechanics of Solids</i> , 2011, 46, 589-596.	0.7	3
26	Interaction between the Euler and Rayleigh-Taylor instabilities. <i>Mechanics of Solids</i> , 2012, 47, 178-186.	0.7	3
27	Evolution of disturbances of the sphericity of a bubble under strong compression. <i>Doklady Physics</i> , 2016, 61, 138-142.	0.7	3
28	Deformation of a bubble formed by coalescence of cavitation inclusions and shock wave inside it at strong expansion and compression. <i>Thermophysics and Aeromechanics</i> , 2017, 24, 73-81.	0.5	3
29	Flexural Vibrations of a Plate under Changes in the Mean Pressure on Its Surfaces. <i>Acoustical Physics</i> , 2018, 64, 605-611.	1.0	3
30	Interactions between the Euler, Helmholtz, and Rayleigh Instabilities. <i>Technical Physics</i> , 2018, 63, 155-159.	0.7	3
31	Bending of a Round Plate under Gas Pressure. <i>Mechanics of Solids</i> , 2019, 54, 551-558.	0.7	3
32	INTERACTION BETWEEN FORCED AND PARAMETRIC VIBRATIONS OF A PIPELINE. <i>Journal of Applied Mechanics and Technical Physics</i> , 2020, 61, 964-967.	0.5	3
33	Gas-bubble dynamics under excitation by compression and rarefaction pulses in a liquid. <i>Doklady Physics</i> , 2002, 47, 29-33.	0.7	2
34	Ellipsoidal Oscillations of a Gas Bubble with Periodic Variation of the Surrounding Fluid Pressure. <i>Fluid Dynamics</i> , 2005, 40, 706-713.	0.9	2
35	Nonlinear non-spherical oscillations of gas bubble under a periodic variation of ambient liquid pressure. <i>Thermophysics and Aeromechanics</i> , 2008, 15, 491-502.	0.5	2
36	Bending and Stability of a Thin Plate under Vacuuming Its Surfaces. <i>Doklady Physics</i> , 2018, 63, 244-246.	0.7	2

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37	The Dynamics of a Cavitation Pocket and Cavitation Damage. Journal of Machinery Manufacture and Reliability, 2019, 48, 1-10.	0.5	2
38	Buckling of an Oscillating Rod Under Longitudinal Impact. International Journal of Structural Stability and Dynamics, 2019, 19, 1971001.	2.4	2
39	Dependence of Axisymmetric Bending of a Circular Plate on Boundary Conditions and Pressure on Its Surface. Lobachevskii Journal of Mathematics, 2020, 41, 1216-1221.	0.9	2
40	Qualitative analysis of the evolution of deviations from the spherical shape during the collapse of a cavity in a liquid. Doklady Physics, 2005, 50, 444-447.	0.7	1
41	Distortion of the spherical shape of a vapor cavity in deuterated acetone. Doklady Physics, 2006, 51, 334-338.	0.7	1
42	Deviation from sphericity of a vapor cavity at the time of collapse. Doklady Physics, 2011, 56, 455-458.	0.7	1
43	On the effect of ambient pressure on the bending of a plate. Journal of Machinery Manufacture and Reliability, 2017, 46, 442-447.	0.5	1
44	Influence of the Shape of the Jet Head on Its Impact on a Wetted Wall. Journal of Applied Mechanics and Technical Physics, 2019, 60, 644-649.	0.5	1
45	Influence of Surface Effects on Bending and Buckling of Nanowires. Doklady Physics, 2019, 64, 345-348.	0.7	1
46	Overview of Local Rod Defect Detection Studies. Journal of Machinery Manufacture and Reliability, 2020, 49, 87-97.	0.5	1
47	The Frequency Spectrum of a Wire Micro- and Nanoresonator. Doklady Physics, 2020, 65, 308-311.	0.7	1
48	Reflections on Fifty Years. Applied Mechanics Reviews, 1997, 50, T13-T14.	10.1	0
49	The bending equations of sandwich plates with a prestressed filling. Prikladnaya Matematika I Mekhanika, 2006, 70, 292-299.	0.4	0
50	Effect of vortex fluid motion on nonspherical oscillations of a gas bubble. Journal of Applied Mechanics and Technical Physics, 2010, 51, 849-859.	0.5	0
51	Strong expansionâ€œcontraction of a cavity in a fluid under acoustic action. Prikladnaya Matematika I Mekhanika, 2014, 78, 298-304.	0.4	0
52	Numerical simulaion of dynamics of a gas bubble in liquid near a rigid wall during its growth and collapse. IOP Conference Series: Materials Science and Engineering, 2016, 158, 012043.	0.6	0
53	Resilient reaction of a pipeline to an internal impact pressure. Doklady Physics, 2016, 61, 453-456.	0.7	0
54	Inertial stage of bar buckling under longitudinal compression. Journal of Applied Mechanics and Technical Physics, 2017, 58, 725-732.	0.5	0

#	ARTICLE	IF	CITATIONS
55	Liquid-Column Cavitation under Motion of Its Lower Boundary. Doklady Physics, 2018, 63, 362-365.	0.7	0
56	Nonlinear Bending of a Shallow Panel under the Effect of Gas Pressure. Journal of Machinery Manufacture and Reliability, 2019, 48, 211-218.	0.5	0
57	Selenophysics and Models of the Lunar Three-Layered Mantle. Uchenye Zapiski Kazanskogo Universiteta Seriya Fiziko-Matematicheskie Nauki, 2020, 162, 27-37.	0.0	0