Andrei K Abramian

List of Publications by Year
in descending order

30	177	1478505 6	1125743 13
papers	citations	h-index	g-index

31	31	31	140
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A mathematical analysis of an extended model describing sea ice-induced frequency lock-in for vertically sided offshore structures. Nonlinear Dynamics, 2022, 107, 683-699.	5.2	2
2	Modified Technique of Parameter Identification of a Permanent Magnet Synchronous Motor with PWM Inverter in the Presence of Dead-Time Effect and Measurement Noise. Electronics (Switzerland), 2019, 8, 1200.	3.1	3
3	On a simple oscillator problem describing ice-induced vibrations of an offshore structure. Nonlinear Dynamics, 2019, 98, 151-166.	5.2	3
4	Oscillations of a string on an elastic foundation with space and time-varying rigidity. Nonlinear Dynamics, 2017, 88, 567-580.	5.2	5
5	Fluid Effect On Ice Induced Vibrations. Procedia Engineering, 2017, 199, 1270-1275.	1.2	2
6	Structural-time and pulse characteristics of dynamic fracture of some construction materials. Doklady Physics, 2017, 62, 27-29.	0.7	0
7	Dynamic failure of dry and fully saturated limestone samples based on incubation time concept. Journal of Rock Mechanics and Geotechnical Engineering, 2017, 9, 125-134.	8.1	52
8	Localized waves in a string of infinite length lying on a damaged elastic base under finitely many impacts. Mechanics of Solids, 2016, 51, 583-587.	0.7	3
9	Peculiarities of the interaction of a structure with moving ice. Doklady Physics, 2016, 61, 555-557.	0.7	2
10	Destruction of thin films with damaged substrate as a result of waves localization. Acta Mechanica, 2015, 226, 295-309.	2.1	5
11	Influence of liquid environment and bounding wall structure on fluid flow through carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1274-1282.	2.1	8
12	DESTRUCTION OF THIN FILMS WITH A DAMAGED SUBSTRATE AS A RESULT OF WAVES LOCALIZATION CAUSED BY PERIODIC IMPACT. , 2015, , .		0
13	On oscillations of a beam with a small rigidity and a time-varying mass. Nonlinear Dynamics, 2014, 78, 449-459.	5.2	7
14	Nonlinear vibrations of a beam with time-varying rigidity and mass. Nonlinear Dynamics, 2013, 71, 291-312.	5.2	3
15	Influence of dynamic processes in a film on damage development in an adhesive base. Mechanics of Solids, 2012, 47, 498-504.	0.7	3
16	Motion of the exfoliation boundary during localization of wave processes. Doklady Physics, 2012, 57, 179-182.	0.7	7
17	Vibration Control of a Fluid in Micro- and Nanotubes. , 2012, , 119-126.		0
18	Influence of oscillation localization on film detachment from a substrate. Vestnik St Petersburg University: Mathematics, 2011, 44, 5-12.	0.4	3

#	Article	IF	Citations
19	Oscillations of aÂbeam with aÂtime-varying mass. Nonlinear Dynamics, 2011, 63, 135-147.	5.2	9
20	Influence of the confining wall structure on the fluid flow in nanochannels. Mechanics of Solids, 2010, 45, 379-389.	0.7	1
21	Wave propagation in a two-dimensional plane straight duct with panels embedded in its sidewalls. Journal of Sound and Vibration, 2010, 329, 994-1006.	3.9	3
22	MATHEMATICAL MODEL OF FLUID FLOW IN NANOCHANNELS. International Journal of Nanomechanics Science and Technology, 2010, 1, 151-168.	0.5	1
23	BEHAVIOR OF FLUID IN PLANE NANOCHANNELS WITH DIFFERENT BOUNDARY WALLS. International Journal of Nanomechanics Science and Technology, 2010, 1, 169-186.	0.5	0
24	Nonlinear Ritz method and the motion of defects. Theoretical and Mathematical Physics(Russian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	4
25	A new model for the study of rain-wind-induced vibrations of a simple oscillator. International Journal of Non-Linear Mechanics, 2006, 41, 345-358.	2.6	27
26	On the free vibrations of an oscillator with a periodically time-varying mass. Journal of Sound and Vibration, 2006, 298, 1166-1172.	3.9	21
27	Dissipative and Hamiltonian Systems with Chaotic Behavior: An Analytic Approach. Theoretical and Mathematical Physics(Russian Federation), 2002, 130, 245-255.	0.9	2
28	On the Modeling of Rain-Wind Induced Vibrations of a Simple Oscillator. , 2002, , .		0
29	Superelliptic shell. International Journal of Engineering Science, 1993, 31, 1485-1498.	5.0	1
30	Fluid Flow Control in Micro- and Nanochannels. Key Engineering Materials, 0, 528, 45-50.	0.4	0