Davresh Hasanyan

List of Publications by Year
in descending order

		840585	839398
26	309	11	18
papers	citations	h-index	g-index
26	26	26	210
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Theoretical model for geometry-dependent magnetoelectric effect in magnetostrictive/piezoelectric composites. Journal of Applied Physics, 2012, 111, .	1.1	38
2	Giant resonant magnetoelectric effect in bi-layered Metglas/Pb(Zr,Ti)O3 composites. Journal of Applied Physics, 2012, 112, .	1.1	37
3	NONLINEAR MAGNETOTHERMOELASTICITY OF ANISOTROPIC PLATES IMMERSED IN A MAGNETIC FIELD. Journal of Thermal Stresses, 2003, 26, 1277-1304.	1.1	27
4	Electromagnetically conducting elastic plates in a magnetic field: modeling and dynamic implications. International Journal of Non-Linear Mechanics, 2004, 39, 723-739.	1.4	27
5	Thermoelastic Cracked Plates Carrying Nonstationary Electrical Current. Journal of Thermal Stresses, 2005, 28, 729-745.	1.1	24
6	Magnetic field dependence of the effective permittivity in multiferroic composites. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2059-2062.	0.8	21
7	Giant converse magnetoelectric effect in multi-push-pull mode Metglas/Pb(Zr,Ti)O3/Metglas laminates. Applied Physics Letters, 2012, 100, .	1.5	20
8	Magnetoelastic modeling of circular cylindrical shells immersed in a magnetic field. Part I: Magnetoelastic loads considering finite dimensional effects. International Journal of Engineering Science, 2003, 41, 2005-2022.	2.7	19
9	Investigation of vehicle induced magnetic anomaly by triple-axis magnetoelectric sensors. Smart Materials and Structures, 2012, 21, 115007.	1.8	15
10	Magneto-thermo-elastokinetics of geometrically nonlinear laminated composite plates. Part 1: foundation of the theory. Journal of Sound and Vibration, 2005, 287, 153-175.	2.1	13
11	Magneto-thermo-elastokinetics of geometrically nonlinear laminated composite plates. Part 2: vibration and wave propagation. Journal of Sound and Vibration, 2005, 287, 177-201.	2.1	12
12	Magnetoelastic modeling of circular cylindrical shells immersed in a magnetic field. International Journal of Engineering Science, 2003, 41, 2023-2046.	2.7	11
13	Joule Heating and its Implications on Crack Detection/Arrest in Electrically Conductive Circular Cylindrical Shells. Journal of Thermal Stresses, 2007, 30, 623-637.	1.1	10
14	Electric‐field tuning of magnetoelectric properties in Metglas/piezofiber composites. Physica Status Solidi - Rapid Research Letters, 2012, 6, 265-267.	1.2	10
15	Electroconductive cylindrical thin elastic shells carrying electric current and immersed in a magnetic field: Implications of the current-magnetic coupling on the shells' instability. International Journal of Applied Electromagnetics and Mechanics, 2009, 31, 79-96.	0.3	6
16	Metglas/Pb(Mg$_{1/3}$Nb$_{2/3}$)O$_3$-PbTiO$_3$ magnetoelectric gradiometric sensor with high detection sensitivity. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 2111-2115.	1.7	6
17	Nonlinear vibration of finitely-electroconductive plate strips in an axial magnetic field. Computers and Structures, 2005, 83, 1205-1216.	2.4	3
18	Diffraction of harmonic flexural waves in a cracked elastic plate carrying electrical current. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2005, 461, 3543-3560.	1.0	3

#	Article	IF	Citations
19	Flux distraction effect on magnetoelectric laminate sensors and gradiometer. Journal of Applied Physics, 2013, 114, 134104.	1.1	3
20	Effects of an in-plane axisymmetric magnetic field on the vibration of a thin conductive spinning disk. Journal of Applied Physics, 2005, 97, 10R509.	1.1	2
21	Fully non-linear magnetoelastic interactions of a circular cylindrical thin shell subject to electromagnetic fields. International Journal of Non-Linear Mechanics, 2011, 46, 425-435.	1.4	2
22	Dynamics and Instability of Current-Carrying Cylindrical Shells in a Magnetic Field. , 2005, , .		0
23	Vibration and Critical Speed of Spinning Disks Under an In-Plane Axisymmetric Magnetic Field; Analytical Predictions and Experimental Investigation. , 2005, , .		0
24	Thermoelastic Cracked Cylindrical Shells Subjected to Nonstationary Electrical Current. , 2006, , .		0
25	Finite-Length Effect of Perfectly Electroconductive Cylindrical Shells Subject to Electromagnetic Fields. , 2009, , .		0
26	Modeling of Nonlinear Magnetoelastic Circular Cylindrical Shells Subjected to Electrical and Magnetic Fields. , 2010, , .		0