Dmitry S Lisovenko

List of Publications by Year in descending order

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66	856	471509	610901
papers	citations	17 h-index	24 g-index

67	67	67	329
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Behavior of Linear Polyesters in Model Conditions of Bile Ducts. Polymer Science - Series D, 2021, 14, 106-111.	0.6	1
2	Out-of-Plane Tension of Thin Two-Layered Plates of Identically Oriented Hexagonal Crystals. Physical Mesomechanics, 2021, 24, 146-154.	1.9	2
3	Extreme values of Youngâ€™s modulus of tetragonal crystals. Mechanics of Materials, 2021, 154, 103724.	3.2	3
4	Elastic Properties of Chiral Metallic Nanotubes Formed from Cubic Crystals. Physical Mesomechanics, 2021, 24, 464-474.	1.9	4
5	Stretching of chiral tubes obtained by rolling-up plates of cubic crystals with various orientations. Journal of Mechanics of Materials and Structures, 2021, 16, 139-157.	0.6	4
6	Bridgman Growth and Physical Properties Anisotropy of CeF3 Single Crystals. Crystals, 2021, 11, 793.	2.2	9
7	The Extreme Values of Youngâ€™s Modulus and the Negative Poissonâ€™s Ratios of Rhombic Crystals. Crystals, 2021, 11, 863.	2.2	4
8	Effective elastic properties variability for two-layered plates of hexagonal and cubic crystals under longitudinal tension. Composite Structures, 2021, 274, 114300.	5.8	2
9	Stability, elastic properties and deformation behavior of graphene-based diamond-like phases. Computational Materials Science, 2020, 172, 109355.	3.0	22
10	Orthotropic strip with central semi-infinite crack under arbitrary loads applied far apart from the crack tip. Analytical solution. Engineering Failure Analysis, 2020, 110, 104410.	4.0	9
11	An Upper Bound Solution for Continued Compression of a Cylinder. Tehnicki Vjesnik, 2020, 27, .	0.2	1
12	Auxetics among Materials with Cubic Anisotropy. Mechanics of Solids, 2020, 55, 461-474.	0.7	34
13	Modeling of the Mechanical Properties of Chiral Metallic Nanotubes. Physical Mesomechanics, 2020, 23, 477-486.	1.9	9
14	ELASTIC DAMPER BASED ON THE CARBON NANOTUBE BUNDLE. Facta Universitatis, Series: Mechanical Engineering, 2020, 18, 001.	4.6	32
15	Chiral Fe nanotubes with both negative Poissonâ€™s ratio and Poyntingâ€™s effect. Atomistic simulation. Journal of Physics Condensed Matter, 2019, 31, 475304.	1.8	8
16	Thin Homogeneous Two-Layered Plates of Cubic Crystals with Different Layer Orientation. Physical Mesomechanics, 2019, 22, 261-268.	1.9	16
17	Elastic properties of diamond-like phases based on carbon nanotubes. Diamond and Related Materials, 2019, 97, 107411.	3.9	27
18	Extreme values of Youngâ€™s modulus and Poissonâ€™s ratio of hexagonal crystals. Mechanics of Materials, 2019, 134, 1-8.	3.2	29

#	Article	IF	Citations
19	Tension of thin two-layered plates of hexagonal crystals. Composite Structures, 2019, 209, 453-459.	5.8	7
20	Elastic Properties of Fullerites and Diamondâ€Like Phases. Physica Status Solidi (B): Basic Research, 2019, 256, 1800049.	1.5	28
21	Mechanical Properties of Ð¡eF3 Single Crystals. Crystallography Reports, 2019, 64, 942-946.	0.6	2
22	Variability of elastic properties of chiral monoclinic tubes under extension and torsion. Letters on Materials, 2019, 9, 202-206.	0.7	5
23	Spherical Inclusion in an Elastic Matrix in the Presence of Eigenstrain, Taking Into Account the Influence of the Properties of the Interface, Considered as the Limit of a Layer of Finite Thickness. Mechanics of Solids, 2019, 54, 514-522.	0.7	3
24	Experimental study of auxetic behavior of cellular structure. Journal of Physics: Conference Series, 2018, 991, 012017.	0.4	1
25	Chiral elasticity of nano/microtubes from hexagonal crystals. Acta Mechanica, 2018, 229, 2189-2201.	2.1	14
26	Anisotropy of the Mechanical Properties of TbF3 Crystals. Crystallography Reports, 2018, 63, 96-103.	0.6	5
27	Three-layered plate exhibiting auxeticity based on stretching and bending modes. Composite Structures, 2018, 194, 643-651.	5.8	25
28	Poissonâ€™s ratio of hard tissues of tooth. AIP Conference Proceedings, 2018, , .	0.4	2
29	Deformation behaviour of re-entrant carbon honeycomb structures. IOP Conference Series: Materials Science and Engineering, 2018, 447, 012035.	0.6	4
30	Peculiarities of the Structure, Moduli of Elasticity, and Knoop Indentation Patterns of Deformation and Fracture of Single Crystals of Potassium, Rubidium, Cesium, and Ammonium Hydrophthalates. Crystallography Reports, 2018, 63, 438-450.	0.6	11
31	Variability of Youngâ€™s modulus and Poissonâ€™s ratio of hexagonal crystals. IOP Conference Series: Materials Science and Engineering, 2018, 347, 012019.	0.6	2
32	Elastic anysotropy of dentin and enamel. Letters on Materials, 2018, 8, 288-293.	0.7	1
33	Longitudinal elastic tension of two-layered plates from isotropic auxetics-nonauxetics and cubic crystals. European Journal of Mechanics, A/Solids, 2017, 63, 122-127.	3.7	16
34	Equilibrium structures of carbon diamond-like clusters and their elastic properties. Physics of the Solid State, 2017, 59, 820-828.	0.6	22
35	Twoâ€Layered Tubes from Cubic Crystals: Auxetic Tubes. Physica Status Solidi (B): Basic Research, 2017, 254, 1600815.	1.5	18
36	Extreme values of the shear modulus for hexagonal crystals. Scripta Materialia, 2017, 140, 55-58.	5.2	11

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37	Experimental study of auxetic behavior of re-entrant honeycomb with curvilinear elements. Letters on Materials, 2017, 7, 81-84.	0.7	5
38	Experimental study of defects influence on auxetic behavior of cellular structure with curvilinear elements. Letters on Materials, 2017, 7, 355-358.	0.7	8
39	Equilibrium diamondâ€like carbon nanostructures with cubic anisotropy: Elastic properties. Physica Status Solidi (B): Basic Research, 2016, 253, 1295-1302.	1.5	37
40	Torsion of cylindrically anisotropic nano/microtubes from seven-constant tetragonal crystals. Poyntingâ€™s effect. Physical Mesomechanics, 2016, 19, 349-354.	1.9	7
41	Two-layer tubes from cubic crystals. Doklady Physics, 2016, 61, 604-610.	0.7	7
42	Auxeticity in nano/microtubes produced from orthorhombic crystals. Smart Materials and Structures, 2016, 25, 054006.	3.5	17
43	Poyntingâ€™s effect of cylindrically anisotropic nano/microtubes. Physical Mesomechanics, 2016, 19, 229-238.	1.9	8
44	Extreme values of the Poissonâ€™s ratio of cubic crystals. Technical Physics, 2016, 61, 1516-1524.	0.7	24
45	The elastic properties of hexagonal auxetics under pressure. Physica Status Solidi (B): Basic Research, 2016, 253, 1261-1269.	1.5	18
46	Mechanical characteristics for seven-constant rhombohedral crystals and their nano/microtubes. Letters on Materials, 2016, 6, 93-97.	0.7	14
47	Torsion of cylindrically anisotropic nano/microtubes of the cubic crystals obtained by rolling the crystal planes (011). Letters on Materials, 2016, 6, 249-252.	0.7	5
48	Negative Poisson's ratio for sixâ€constant tetragonal nano/microtubes. Physica Status Solidi (B): Basic Research, 2015, 252, 1580-1586.	1.5	17
49	Linear poyntingâ€™s effect at torsion and extension of curvilinearly anisotropic tubes. Doklady Physics, 2015, 60, 396-399.	0.7	5
50	Youngâ€™s modulus and Poissonâ€™s ratio for seven-constant tetragonal crystals and nano/microtubes. Physical Mesomechanics, 2015, 18, 213-222.	1.9	23
51	Auxetics among 6-constant tetragonal crystals. Letters on Materials, 2015, 5, 409-413.	0.7	24
52	Rayleigh and Love surface waves in isotropic media with negative Poissonâ€™s ratio. Mechanics of Solids, 2014, 49, 422-434.	0.7	16
53	Negative Poissonâ€™s ratio for cubic crystals and nano/microtubes. Physical Mesomechanics, 2014, 17, 97-115.	1.9	46
54	Classification of cubic auxetics. Physica Status Solidi (B): Basic Research, 2013, 250, 2038-2043.	1.5	19

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55	Youngâ€™s moduli and Poissonâ€™s ratios of curvilinear anisotropic hexagonal and rhombohedral nanotubes. Nanotubes-auxetics. Doklady Physics, 2013, 58, 400-404.	0.7	12
56	Relation of Poissonâ€™s ratio on average with Youngâ€™s modulus. Auxetics on average. Doklady Physics, 2012, 57, 174-178.	0.7	12
57	Shear modulus of cubic crystals. Letters on Materials, 2012, 2, 21-24.	0.7	14
58	Variability of elastic properties of hexagonal auxetics. Doklady Physics, 2011, 56, 602-605.	0.7	13
59	Cubic auxetics. Doklady Physics, 2011, 56, 399-402.	0.7	21
60	Auxetic mechanics of crystalline materials. Mechanics of Solids, 2010, 45, 529-545.	0.7	53
61	To the description of multi-layered nanotubes in models of cylindrically anisotropic elasticity. Physical Mesomechanics, 2010, 13, 12-20.	1.9	3
62	Mesomechanics of multiwall carbon nanotubes and nanowhiskers. Physical Mesomechanics, 2009, 12, 38-53.	1.9	14
63	About negativity of the Poissonâ€™s ratio for anisotropic materials. Doklady Physics, 2009, 54, 546-548.	0.7	9
64	Specific features of the strength of carbon whiskers. Technical Physics Letters, 2006, 32, 837-839.	0.7	5
65	Variability of the elastic properties of multiwalled carbon nanotubes. Technical Physics Letters, 2005, 31, 18-20.	0.7	3
66	Outâ€ofâ€plane tension of thin twoâ€layered plates of cubic crystals. Physica Status Solidi (B): Basic Research, 0, , 2100184.	1.5	4