

Dmitry S Lisovenko

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

856
citations

471509

17
h-index

610901

24
g-index

67
all docs

67
docs citations

67
times ranked

329
citing authors

#	ARTICLE	IF	CITATIONS
1	Auxetic mechanics of crystalline materials. <i>Mechanics of Solids</i> , 2010, 45, 529-545.	0.7	53
2	Negative Poisson's ratio for cubic crystals and nano/microtubes. <i>Physical Mesomechanics</i> , 2014, 17, 97-115.	1.9	46
3	Equilibrium diamond-like carbon nanostructures with cubic anisotropy: Elastic properties. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 1295-1302.	1.5	37
4	Auxetics among Materials with Cubic Anisotropy. <i>Mechanics of Solids</i> , 2020, 55, 461-474.	0.7	34
5	ELASTIC DAMPER BASED ON THE CARBON NANOTUBE BUNDLE. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2020, 18, 001.	4.6	32
6	Extreme values of Young's modulus and Poisson's ratio of hexagonal crystals. <i>Mechanics of Materials</i> , 2019, 134, 1-8.	3.2	29
7	Elastic Properties of Fullerites and Diamond-Like Phases. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800049.	1.5	28
8	Elastic properties of diamond-like phases based on carbon nanotubes. <i>Diamond and Related Materials</i> , 2019, 97, 107411.	3.9	27
9	Three-layered plate exhibiting auxeticity based on stretching and bending modes. <i>Composite Structures</i> , 2018, 194, 643-651.	5.8	25
10	Extreme values of the Poisson's ratio of cubic crystals. <i>Technical Physics</i> , 2016, 61, 1516-1524.	0.7	24
11	Auxetics among 6-constant tetragonal crystals. <i>Letters on Materials</i> , 2015, 5, 409-413.	0.7	24
12	Young's modulus and Poisson's ratio for seven-constant tetragonal crystals and nano/microtubes. <i>Physical Mesomechanics</i> , 2015, 18, 213-222.	1.9	23
13	Equilibrium structures of carbon diamond-like clusters and their elastic properties. <i>Physics of the Solid State</i> , 2017, 59, 820-828.	0.6	22
14	Stability, elastic properties and deformation behavior of graphene-based diamond-like phases. <i>Computational Materials Science</i> , 2020, 172, 109355.	3.0	22
15	Cubic auxetics. <i>Doklady Physics</i> , 2011, 56, 399-402.	0.7	21
16	Classification of cubic auxetics. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2038-2043.	1.5	19
17	The elastic properties of hexagonal auxetics under pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 1261-1269.	1.5	18
18	Two-Layered Tubes from Cubic Crystals: Auxetic Tubes. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600815.	1.5	18

#	ARTICLE	IF	CITATIONS
19	Negative Poisson's ratio for six-constant tetragonal nano/microtubes. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 1580-1586.	1.5	17
20	Auxeticity in nano/microtubes produced from orthorhombic crystals. <i>Smart Materials and Structures</i> , 2016, 25, 054006.	3.5	17
21	Rayleigh and Love surface waves in isotropic media with negative Poisson's ratio. <i>Mechanics of Solids</i> , 2014, 49, 422-434.	0.7	16
22	Longitudinal elastic tension of two-layered plates from isotropic auxetics-nonauxetics and cubic crystals. <i>European Journal of Mechanics, A/Solids</i> , 2017, 63, 122-127.	3.7	16
23	Thin Homogeneous Two-Layered Plates of Cubic Crystals with Different Layer Orientation. <i>Physical Mesomechanics</i> , 2019, 22, 261-268.	1.9	16
24	Mesomechanics of multiwall carbon nanotubes and nanowhiskers. <i>Physical Mesomechanics</i> , 2009, 12, 38-53.	1.9	14
25	Chiral elasticity of nano/microtubes from hexagonal crystals. <i>Acta Mechanica</i> , 2018, 229, 2189-2201.	2.1	14
26	Shear modulus of cubic crystals. <i>Letters on Materials</i> , 2012, 2, 21-24.	0.7	14
27	Mechanical characteristics for seven-constant rhombohedral crystals and their nano/microtubes. <i>Letters on Materials</i> , 2016, 6, 93-97.	0.7	14
28	Variability of elastic properties of hexagonal auxetics. <i>Doklady Physics</i> , 2011, 56, 602-605.	0.7	13
29	Relation of Poisson's ratio on average with Young's modulus. <i>Auxetics on average. Doklady Physics</i> , 2012, 57, 174-178.	0.7	12
30	Young's moduli and Poisson's ratios of curvilinear anisotropic hexagonal and rhombohedral nanotubes. <i>Nanotubes-auxetics. Doklady Physics</i> , 2013, 58, 400-404.	0.7	12
31	Extreme values of the shear modulus for hexagonal crystals. <i>Scripta Materialia</i> , 2017, 140, 55-58.	5.2	11
32	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. <i>Crystallography Reports</i> , 2018, 63, 438-450.	0.6	11
33	About negativity of the Poisson's ratio for anisotropic materials. <i>Doklady Physics</i> , 2009, 54, 546-548.	0.7	9
34	Orthotropic strip with central semi-infinite crack under arbitrary loads applied far apart from the crack tip. Analytical solution. <i>Engineering Failure Analysis</i> , 2020, 110, 104410.	4.0	9
35	Bridgman Growth and Physical Properties Anisotropy of CeF ₃ Single Crystals. <i>Crystals</i> , 2021, 11, 793.	2.2	9
36	Modeling of the Mechanical Properties of Chiral Metallic Nanotubes. <i>Physical Mesomechanics</i> , 2020, 23, 477-486.	1.9	9

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37	Poynting's effect of cylindrically anisotropic nano/microtubes. <i>Physical Mesomechanics</i> , 2016, 19, 229-238.	1.9	8
38	Chiral Fe nanotubes with both negative Poisson's ratio and Poynting's effect. Atomistic simulation. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 475304.	1.8	8
39	Experimental study of defects influence on auxetic behavior of cellular structure with curvilinear elements. <i>Letters on Materials</i> , 2017, 7, 355-358.	0.7	8
40	Torsion of cylindrically anisotropic nano/microtubes from seven-constant tetragonal crystals. Poynting's effect. <i>Physical Mesomechanics</i> , 2016, 19, 349-354.	1.9	7
41	Two-layer tubes from cubic crystals. <i>Doklady Physics</i> , 2016, 61, 604-610.	0.7	7
42	Tension of thin two-layered plates of hexagonal crystals. <i>Composite Structures</i> , 2019, 209, 453-459.	5.8	7
43	Specific features of the strength of carbon whiskers. <i>Technical Physics Letters</i> , 2006, 32, 837-839.	0.7	5
44	Linear Poynting's effect at torsion and extension of curvilinearly anisotropic tubes. <i>Doklady Physics</i> , 2015, 60, 396-399.	0.7	5
45	Anisotropy of the Mechanical Properties of TbF ₃ Crystals. <i>Crystallography Reports</i> , 2018, 63, 96-103.	0.6	5
46	Torsion of cylindrically anisotropic nano/microtubes of the cubic crystals obtained by rolling the crystal planes (011). <i>Letters on Materials</i> , 2016, 6, 249-252.	0.7	5
47	Experimental study of auxetic behavior of re-entrant honeycomb with curvilinear elements. <i>Letters on Materials</i> , 2017, 7, 81-84.	0.7	5
48	Variability of elastic properties of chiral monoclinic tubes under extension and torsion. <i>Letters on Materials</i> , 2019, 9, 202-206.	0.7	5
49	Deformation behaviour of re-entrant carbon honeycomb structures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 447, 012035.	0.6	4
50	Elastic Properties of Chiral Metallic Nanotubes Formed from Cubic Crystals. <i>Physical Mesomechanics</i> , 2021, 24, 464-474.	1.9	4
51	Stretching of chiral tubes obtained by rolling-up plates of cubic crystals with various orientations. <i>Journal of Mechanics of Materials and Structures</i> , 2021, 16, 139-157.	0.6	4
52	The Extreme Values of Young's Modulus and the Negative Poisson's Ratios of Rhombic Crystals. <i>Crystals</i> , 2021, 11, 863.	2.2	4
53	Out-of-plane tension of thin two-layered plates of cubic crystals. <i>Physica Status Solidi (B): Basic Research</i> , 0, , 2100184.	1.5	4
54	Variability of the elastic properties of multiwalled carbon nanotubes. <i>Technical Physics Letters</i> , 2005, 31, 18-20.	0.7	3

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55	To the description of multi-layered nanotubes in models of cylindrically anisotropic elasticity. <i>Physical Mesomechanics</i> , 2010, 13, 12-20.	1.9	3
56	Extreme values of Young's modulus of tetragonal crystals. <i>Mechanics of Materials</i> , 2021, 154, 103724.	3.2	3
57	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. <i>Mechanics of Solids</i> , 2019, 54, 514-522.	0.7	3
58	Poisson's ratio of hard tissues of tooth. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
59	Variability of Young's modulus and Poisson's ratio of hexagonal crystals. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 347, 012019.	0.6	2
60	Out-of-Plane Tension of Thin Two-Layered Plates of Identically Oriented Hexagonal Crystals. <i>Physical Mesomechanics</i> , 2021, 24, 146-154.	1.9	2
61	Effective elastic properties variability for two-layered plates of hexagonal and cubic crystals under longitudinal tension. <i>Composite Structures</i> , 2021, 274, 114300.	5.8	2
62	Mechanical Properties of ZrF_3 Single Crystals. <i>Crystallography Reports</i> , 2019, 64, 942-946.	0.6	2
63	Experimental study of auxetic behavior of cellular structure. <i>Journal of Physics: Conference Series</i> , 2018, 991, 012017.	0.4	1
64	An Upper Bound Solution for Continued Compression of a Cylinder. <i>Tehnicki Vjesnik</i> , 2020, 27, .	0.2	1
65	The Behavior of Linear Polyesters in Model Conditions of Bile Ducts. <i>Polymer Science - Series D</i> , 2021, 14, 106-111.	0.6	1
66	Elastic anisotropy of dentin and enamel. <i>Letters on Materials</i> , 2018, 8, 288-293.	0.7	1