

# Dmitry S Lisovenko

## List of Publications by Year in descending order

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66  
papers

856  
citations

471371

17  
h-index

610775

24  
g-index

67  
all docs

67  
docs citations

67  
times ranked

329  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Behavior of Linear Polyesters in Model Conditions of Bile Ducts. <i>Polymer Science - Series D</i> , 2021, 14, 106-111.	0.2	1
2	Out-of-Plane Tension of Thin Two-Layered Plates of Identically Oriented Hexagonal Crystals. <i>Physical Mesomechanics</i> , 2021, 24, 146-154.	1.0	2
3	Extreme values of Young's modulus of tetragonal crystals. <i>Mechanics of Materials</i> , 2021, 154, 103724.	1.7	3
4	Elastic Properties of Chiral Metallic Nanotubes Formed from Cubic Crystals. <i>Physical Mesomechanics</i> , 2021, 24, 464-474.	1.0	4
5	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.	0.4	4
6	Bridgman Growth and Physical Properties Anisotropy of CeF <sub>3</sub> Single Crystals. <i>Crystals</i> , 2021, 11, 793.	1.0	9
7	The Extreme Values of Young's Modulus and the Negative Poisson's Ratios of Rhombic Crystals. <i>Crystals</i> , 2021, 11, 863.	1.0	4
8	Effective elastic properties variability for two-layered plates of hexagonal and cubic crystals under longitudinal tension. <i>Composite Structures</i> , 2021, 274, 114300.	3.1	2
9	Stability, elastic properties and deformation behavior of graphene-based diamond-like phases. <i>Computational Materials Science</i> , 2020, 172, 109355.	1.4	22
10	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.	1.8	9
11	An Upper Bound Solution for Continued Compression of a Cylinder. <i>Tehnicki Vjesnik</i> , 2020, 27, .	0.3	1
12	Auxetics among Materials with Cubic Anisotropy. <i>Mechanics of Solids</i> , 2020, 55, 461-474.	0.3	34
13	Modeling of the Mechanical Properties of Chiral Metallic Nanotubes. <i>Physical Mesomechanics</i> , 2020, 23, 477-486.	1.0	9
14	ELASTIC DAMPER BASED ON THE CARBON NANOTUBE BUNDLE. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2020, 18, 001.	2.3	32
15	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.	0.7	8
16	Thin Homogeneous Two-Layered Plates of Cubic Crystals with Different Layer Orientation. <i>Physical Mesomechanics</i> , 2019, 22, 261-268.	1.0	16
17	Elastic properties of diamond-like phases based on carbon nanotubes. <i>Diamond and Related Materials</i> , 2019, 97, 107411.	1.8	27
18	Extreme values of Young's modulus and Poisson's ratio of hexagonal crystals. <i>Mechanics of Materials</i> , 2019, 134, 1-8.	1.7	29

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19	Tension of thin two-layered plates of hexagonal crystals. <i>Composite Structures</i> , 2019, 209, 453-459.	3.1	7
20	Elastic Properties of Fullerites and Diamond-Like Phases. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800049.	0.7	28
21	Mechanical Properties of $\text{D}_{3d}^2$ Single Crystals. <i>Crystallography Reports</i> , 2019, 64, 942-946.	0.1	2
22	Variability of elastic properties of chiral monoclinic tubes under extension and torsion. <i>Letters on Materials</i> , 2019, 9, 202-206.	0.2	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. <i>Mechanics of Solids</i> , 2019, 54, 514-522.	0.3	3
24	Experimental study of auxetic behavior of cellular structure. <i>Journal of Physics: Conference Series</i> , 2018, 991, 012017.	0.3	1
25	Chiral elasticity of nano/microtubes from hexagonal crystals. <i>Acta Mechanica</i> , 2018, 229, 2189-2201.	1.1	14
26	Anisotropy of the Mechanical Properties of $\text{TbF}_3$ Crystals. <i>Crystallography Reports</i> , 2018, 63, 96-103.	0.1	5
27	Three-layered plate exhibiting auxeticity based on stretching and bending modes. <i>Composite Structures</i> , 2018, 194, 643-651.	3.1	25
28	Poisson's ratio of hard tissues of tooth. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	2
29	Deformation behaviour of re-entrant carbon honeycomb structures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 447, 012035.	0.3	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. <i>Crystallography Reports</i> , 2018, 63, 438-450.	0.1	11
31	Variability of Young's modulus and Poisson's ratio of hexagonal crystals. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 347, 012019.	0.3	2
32	Elastic anisotropy of dentin and enamel. <i>Letters on Materials</i> , 2018, 8, 288-293.	0.2	1
33	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.	2.1	16
34	Equilibrium structures of carbon diamond-like clusters and their elastic properties. <i>Physics of the Solid State</i> , 2017, 59, 820-828.	0.2	22
35	Two-Layered Tubes from Cubic Crystals: Auxetic Tubes. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600815.	0.7	18
36	Extreme values of the shear modulus for hexagonal crystals. <i>Scripta Materialia</i> , 2017, 140, 55-58.	2.6	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.	0.2	5
38	Experimental study of defects influence on auxetic behavior of cellular structure with curvilinear elements. Letters on Materials, 2017, 7, 355-358.	0.2	8
39	Equilibrium diamond-like carbon nanostructures with cubic anisotropy: Elastic properties. Physica Status Solidi (B): Basic Research, 2016, 253, 1295-1302.	0.7	37
40	Torsion of cylindrically anisotropic nano/microtubes from seven-constant tetragonal crystals. Poynting's effect. Physical Mesomechanics, 2016, 19, 349-354.	1.0	7
41	Two-layer tubes from cubic crystals. Doklady Physics, 2016, 61, 604-610.	0.2	7
42	Auxeticity in nano/microtubes produced from orthorhombic crystals. Smart Materials and Structures, 2016, 25, 054006.	1.8	17
43	Poynting's effect of cylindrically anisotropic nano/microtubes. Physical Mesomechanics, 2016, 19, 229-238.	1.0	8
44	Extreme values of the Poisson's ratio of cubic crystals. Technical Physics, 2016, 61, 1516-1524.	0.2	24
45	The elastic properties of hexagonal auxetics under pressure. Physica Status Solidi (B): Basic Research, 2016, 253, 1261-1269.	0.7	18
46	Mechanical characteristics for seven-constant rhombohedral crystals and their nano/microtubes. Letters on Materials, 2016, 6, 93-97.	0.2	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.	0.2	5
48	Negative Poisson's ratio for six-constant tetragonal nano/microtubes. Physica Status Solidi (B): Basic Research, 2015, 252, 1580-1586.	0.7	17
49	Linear Poynting's effect at torsion and extension of curvilinearly anisotropic tubes. Doklady Physics, 2015, 60, 396-399.	0.2	5
50	Young's modulus and Poisson's ratio for seven-constant tetragonal crystals and nano/microtubes. Physical Mesomechanics, 2015, 18, 213-222.	1.0	23
51	Auxetics among 6-constant tetragonal crystals. Letters on Materials, 2015, 5, 409-413.	0.2	24
52	Rayleigh and Love surface waves in isotropic media with negative Poisson's ratio. Mechanics of Solids, 2014, 49, 422-434.	0.3	16
53	Negative Poisson's ratio for cubic crystals and nano/microtubes. Physical Mesomechanics, 2014, 17, 97-115.	1.0	46
54	Classification of cubic auxetics. Physica Status Solidi (B): Basic Research, 2013, 250, 2038-2043.	0.7	19

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55	Young's moduli and Poisson's ratios of curvilinear anisotropic hexagonal and rhombohedral nanotubes. Nanotubes-auxetics. Doklady Physics, 2013, 58, 400-404.	0.2	12
56	Relation of Poisson's ratio on average with Young's modulus. Auxetics on average. Doklady Physics, 2012, 57, 174-178.	0.2	12
57	Shear modulus of cubic crystals. Letters on Materials, 2012, 2, 21-24.	0.2	14
58	Variability of elastic properties of hexagonal auxetics. Doklady Physics, 2011, 56, 602-605.	0.2	13
59	Cubic auxetics. Doklady Physics, 2011, 56, 399-402.	0.2	21
60	Auxetic mechanics of crystalline materials. Mechanics of Solids, 2010, 45, 529-545.	0.3	53
61	To the description of multi-layered nanotubes in models of cylindrically anisotropic elasticity. Physical Mesomechanics, 2010, 13, 12-20.	1.0	3
62	Mesomechanics of multiwall carbon nanotubes and nanowhiskers. Physical Mesomechanics, 2009, 12, 38-53.	1.0	14
63	About negativity of the Poisson's ratio for anisotropic materials. Doklady Physics, 2009, 54, 546-548.	0.2	9
64	Specific features of the strength of carbon whiskers. Technical Physics Letters, 2006, 32, 837-839.	0.2	5
65	Variability of the elastic properties of multiwalled carbon nanotubes. Technical Physics Letters, 2005, 31, 18-20.	0.2	3
66	Out-of-plane tension of thin two-layered plates of cubic crystals. Physica Status Solidi (B): Basic Research, 0, , 2100184.	0.7	4