

Victor A Eremeyev

List of Publications by Year in descending order

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236
papers

6,965
citations

57719

44
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72
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254
all docs

254
docs citations

254
times ranked

1672
citing authors

#	ARTICLE	IF	CITATIONS
1	On generalized Cosserat-type theories of plates and shells: a short review and bibliography. <i>Archive of Applied Mechanics</i> , 2010, 80, 73-92.	1.2	352
2	Pantographic metamaterials: an example of mathematically driven design and of its technological challenges. <i>Continuum Mechanics and Thermodynamics</i> , 2019, 31, 851-884.	1.4	272
3	On natural strain measures of the non-linear micropolar continuum. <i>International Journal of Solids and Structures</i> , 2009, 46, 774-787.	1.3	212
4	Analytical continuum mechanics $\langle i \rangle$ Hamiltonâ€“Piola least action principle for second gradient continua and capillary fluids. <i>Mathematics and Mechanics of Solids</i> , 2015, 20, 375-417.	1.5	212
5	On effective properties of materials at the nano- and microscales considering surface effects. <i>Acta Mechanica</i> , 2016, 227, 29-42.	1.1	159
6	On the linear theory of micropolar plates. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2009, 89, 242-256.	0.9	153
7	Foundations of Micropolar Mechanics. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2013, , .	0.2	153
8	On the shell theory on the nanoscale with surface stresses. <i>International Journal of Engineering Science</i> , 2011, 49, 1294-1301.	2.7	135
9	Deformation analysis of functionally graded beams by the direct approach. <i>Composites Part B: Engineering</i> , 2012, 43, 1315-1328.	5.9	123
10	Linear Pantographic Sheets: Existence and Uniqueness of Weak Solutions. <i>Journal of Elasticity</i> , 2018, 132, 175-196.	0.9	115
11	Material symmetry group of the non-linear polar-elastic continuum. <i>International Journal of Solids and Structures</i> , 2012, 49, 1993-2005.	1.3	110
12	Local Symmetry Group in the General Theory of Elastic Shells. <i>Journal of Elasticity</i> , 2006, 85, 125-152.	0.9	108
13	A layer-wise theory for laminated glass and photovoltaic panels. <i>Composite Structures</i> , 2014, 112, 283-291.	3.1	107
14	Material symmetry group and constitutive equations of micropolar anisotropic elastic solids. <i>Mathematics and Mechanics of Solids</i> , 2016, 21, 210-221.	1.5	106
15	Torsional stability capacity of a nano-composite shell based on a nonlocal strain gradient shell model under a three-dimensional magnetic field. <i>International Journal of Engineering Science</i> , 2020, 148, 103210.	2.7	106
16	Direct approach-based analysis of plates composed of functionally graded materials. <i>Archive of Applied Mechanics</i> , 2008, 78, 775-794.	1.2	103
17	The Nonlinear Theory of Elastic Shells with Phase Transitions. <i>Journal of Elasticity</i> , 2004, 74, 67-86.	0.9	99
18	Acceleration waves and ellipticity in thermoelastic micropolar media. <i>Archive of Applied Mechanics</i> , 2010, 80, 217-227.	1.2	87

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19	On equations of the linear theory of shells with surface stresses taken into account. <i>Mechanics of Solids</i> , 2010, 45, 331-342.	0.3	86
20	Thermomechanics of shells undergoing phase transition. <i>Journal of the Mechanics and Physics of Solids</i> , 2011, 59, 1395-1412.	2.3	78
21	Surface viscoelasticity and effective properties of thin-walled structures at the nanoscale. <i>International Journal of Engineering Science</i> , 2012, 59, 83-89.	2.7	78
22	On instabilities and post-buckling of piezomagnetic and flexomagnetic nanostructures. <i>International Journal of Engineering Science</i> , 2020, 157, 103395.	2.7	77
23	On vectorially parameterized natural strain measures of the non-linear Cosserat continuum. <i>International Journal of Solids and Structures</i> , 2009, 46, 2477-2480.	1.3	72
24	On the non-linear dynamics of torus-shaped and cylindrical shell structures. <i>International Journal of Engineering Science</i> , 2020, 156, 103371.	2.7	72
25	On the bending of viscoelastic plates made of polymer foams. <i>Acta Mechanica</i> , 2009, 204, 137-154.	1.1	70
26	Propagation of linear compression waves through plane interfacial layers and mass adsorption in second gradient fluids. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2013, 93, 914-927.	0.9	68
27	The influence of surface tension on the effective stiffness of nanosize plates. <i>Doklady Physics</i> , 2009, 54, 98-100.	0.2	66
28	On the use of the first order shear deformation plate theory for the analysis of three-layer plates with thin soft core layer. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2015, 95, 1004-1011.	0.9	65
29	Analysis of the viscoelastic behavior of plates made of functionally graded materials. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2008, 88, 332-341.	0.9	64
30	Acceleration waves in micropolar elastic media. <i>Doklady Physics</i> , 2005, 50, 204-206.	0.2	63
31	Mathematical study of boundary-value problems within the framework of Steigmann-Ogden model of surface elasticity. <i>Continuum Mechanics and Thermodynamics</i> , 2016, 28, 407-422.	1.4	63
32	The stability of the equilibrium of two-phase elastic solids. <i>Prikladnaya Matematika I Mekhanika</i> , 2007, 71, 61-84.	0.4	59
33	Strain rate tensors and constitutive equations of inelastic micropolar materials. <i>International Journal of Plasticity</i> , 2014, 63, 3-17.	4.1	59
34	Extended non-linear relations of elastic shells undergoing phase transitions. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2007, 87, 150-159.	0.9	58
35	On stress singularity near the tip of a crack with surface stresses. <i>International Journal of Engineering Science</i> , 2020, 146, 103183.	2.7	58
36	Flexoelectricity and apparent piezoelectricity of a pantographic micro-bar. <i>International Journal of Engineering Science</i> , 2020, 149, 103213.	2.7	58

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37	On the existence of solution in the linear elasticity with surface stresses. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2010, 90, 231-240.	0.9	55
38	Surface/interfacial anti-plane waves in solids with surface energy. Mechanics Research Communications, 2016, 74, 8-13.	1.0	53
39	Comparison of anti-plane surface waves in strain-gradient materials and materials with surface stresses. Mathematics and Mechanics of Solids, 2019, 24, 2526-2535.	1.5	52
40	On the Dynamics of a Visco-Piezo-Flexoelectric Nanobeam. Symmetry, 2020, 12, 643.	1.1	51
41	On the spectrum and stiffness of an elastic body with surface stresses. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2011, 91, 699-710.	0.9	50
42	A new hyperbolic-polynomial higher-order elasticity theory for mechanics of thick FGM beams with imperfection in the material composition. Composite Structures, 2020, 249, 112486.	3.1	50
43	Computational analysis of an infinite magneto-thermoelastic solid periodically dispersed with varying heat flow based on non-local Moore-Gibson-Thompson approach. Continuum Mechanics and Thermodynamics, 2022, 34, 1067-1085.	1.4	50
44	Enriched buckling for beam-lattice metamaterials. Mechanics Research Communications, 2020, 103, 103458.	1.0	48
45	Generalized Continua from the Theory to Engineering Applications. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2013, , .	0.3	46
46	Nonuniqueness and stability in problems of equilibrium of elastic two-phase bodies. Doklady Physics, 2003, 48, 359-363.	0.2	45
47	Existence of weak solutions in elasticity. Mathematics and Mechanics of Solids, 2013, 18, 204-217.	1.5	44
48	Linear theory of shells taking into account surface stresses. Doklady Physics, 2009, 54, 531-535.	0.2	43
49	Equilibrium of a second-gradient fluid and an elastic solid with surface stresses. Meccanica, 2014, 49, 2635-2643.	1.2	40
50	Nonlinear finite element modeling of vibration control of plane rod-type structural members with integrated piezoelectric patches. Continuum Mechanics and Thermodynamics, 2019, 31, 147-188.	1.4	40
51	Anti-plane surface waves in media with surface structure: Discrete vs. continuum model. International Journal of Engineering Science, 2019, 143, 33-38.	2.7	40
52	Transverse surface waves on a cylindrical surface with coating. International Journal of Engineering Science, 2020, 147, 103188.	2.7	40
53	A variational approach of homogenization of piezoelectric composites towards piezoelectric and flexoelectric effective media. International Journal of Engineering Science, 2021, 158, 103410.	2.7	39
54	Effect of Axial Porosities on Flexomagnetic Response of In-Plane Compressed Piezomagnetic Nanobeams. Symmetry, 2020, 12, 1935.	1.1	38

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55	The effective stiffness of a nanoporous rod. <i>Doklady Physics</i> , 2010, 55, 279-282.	0.2	37
56	Existence theorems in the linear theory of micropolar shells. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2011, 91, 468-476.	0.9	37
57	On a thermodynamic theory of rods with two temperature fields. <i>Acta Mechanica</i> , 2012, 223, 1583-1596.	1.1	37
58	Vibration Analysis of Non-linear 6-parameter Prestressed Shells. <i>Meccanica</i> , 2014, 49, 1751-1761.	1.2	37
59	A layer-wise theory of shallow shells with thin soft core for laminated glass and photovoltaic applications. <i>Composite Structures</i> , 2017, 178, 434-446.	3.1	37
60	Cosserat-Type Rods. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2013, , 179-248.	0.3	37
61	On the constitutive equations of viscoelastic micropolar plates and shells of differential type. <i>Mathematics and Mechanics of Complex Systems</i> , 2015, 3, 273-283.	0.5	36
62	On existence and uniqueness of weak solutions for linear pantographic beam lattices models. <i>Continuum Mechanics and Thermodynamics</i> , 2019, 31, 1843-1861.	1.4	35
63	On Nonlinear Bending Study of a Piezo-Flexomagnetic Nanobeam Based on an Analytical-Numerical Solution. <i>Nanomaterials</i> , 2020, 10, 1762.	1.9	35
64	On the geometrically nonlinear vibration of a piezo-flexomagnetic nanotube. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	1.2	34
65	On the effective stiffness of plates made of hyperelastic materials with initial stresses. <i>International Journal of Non-Linear Mechanics</i> , 2010, 45, 976-981.	1.4	33
66	On the material symmetry group for micromorphic media with applications to granular materials. <i>Mechanics Research Communications</i> , 2018, 94, 8-12.	1.0	33
67	Post-critical buckling of truncated conical carbon nanotubes considering surface effects embedding in a nonlinear Winkler substrate using the Rayleigh-Ritz method. <i>Materials Research Express</i> , 2020, 7, 025005.	0.8	32
68	On constitutive inequalities in nonlinear theory of elastic shells. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2007, 87, 94-101.	0.9	31
69	Harmonic vibrations of nanosized piezoelectric bodies with surface effects. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2014, 94, 878-892.	0.9	31
70	Two- and three-dimensional elastic networks with rigid junctions: modeling within the theory of micropolar shells and solids. <i>Acta Mechanica</i> , 2019, 230, 3875-3887.	1.1	31
71	The Rayleigh and Courant variational principles in the six-parameter shell theory. <i>Mathematics and Mechanics of Solids</i> , 2015, 20, 806-822.	1.5	30
72	Thermal buckling of functionally graded piezomagnetic micro- and nanobeams presenting the flexomagnetic effect. <i>Continuum Mechanics and Thermodynamics</i> , 2022, 34, 1051-1066.	1.4	30

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73	On the well posedness of static boundary value problem within the linear dilatational strain gradient elasticity. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2020, 71, 1.	0.7	29
74	On the deformation and frequency analyses of SARS-CoV-2 at nanoscale. <i>International Journal of Engineering Science</i> , 2022, 170, 103604.	2.7	29
75	A relationship between effective work of adhesion and peel force for thin hyperelastic films undergoing large deformation. <i>Mechanics Research Communications</i> , 2015, 69, 24-26.	1.0	28
76	Buckling analysis of a non-concentric double-walled carbon nanotube. <i>Acta Mechanica</i> , 2020, 231, 5007-5020.	1.1	28
77	Flexomagnetic response of buckled piezomagnetic composite nanoplates. <i>Composite Structures</i> , 2021, 267, 113932.	3.1	28
78	Partitioned schemes of the finite-element method for dynamic problems of acoustoelectroelasticity. <i>Prikladnaya Matematika I Mekhanika</i> , 2000, 64, 367-377.	0.4	27
79	Identifying traction separation behavior of self-adhesive polymeric films from in situ digital images under T-peeling. <i>Journal of the Mechanics and Physics of Solids</i> , 2016, 91, 40-55.	2.3	26
80	Virtual spring damper method for nonholonomic robotic swarm self-organization and leader following. <i>Continuum Mechanics and Thermodynamics</i> , 2018, 30, 1091-1102.	1.4	26
81	On thermal stability of piezo-flexomagnetic microbeams considering different temperature distributions. <i>Continuum Mechanics and Thermodynamics</i> , 2021, 33, 1281-1297.	1.4	26
82	On nonlinear dilatational strain gradient elasticity. <i>Continuum Mechanics and Thermodynamics</i> , 2021, 33, 1429-1463.	1.4	26
83	Application of the Micropolar Theory to the Strength Analysis of Bioceramic Materials for Bone Reconstruction. <i>Strength of Materials</i> , 2016, 48, 573-582.	0.2	23
84	Basics of Mechanics of Micropolar Shells. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2017, , 63-111.	0.3	23
85	On rotational instability within the nonlinear six-parameter shell theory. <i>International Journal of Solids and Structures</i> , 2020, 196-197, 179-189.	1.3	23
86	On the effective properties of foams in the framework of the couple stress theory. <i>Continuum Mechanics and Thermodynamics</i> , 2020, 32, 1779-1801.	1.4	23
87	On a flexomagnetic behavior of composite structures. <i>International Journal of Engineering Science</i> , 2022, 175, 103671.	2.7	22
88	The theory of elastic and viscoelastic micropolar liquids. <i>Prikladnaya Matematika I Mekhanika</i> , 1999, 63, 755-767.	0.4	21
89	Assessment of dynamic characteristics of thin cylindrical sandwich panels with magnetorheological core. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 2748-2769.	1.4	21
90	Effect of surface on the flexomagnetic response of ferroic composite nanostructures; nonlinear bending analysis. <i>Composite Structures</i> , 2021, 271, 114179.	3.1	21

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91	Strong ellipticity conditions and infinitesimal stability within nonlinear strain gradient elasticity. <i>Mechanics Research Communications</i> , 2021, 117, 103782.	1.0	21
92	A revisitaton of the paradox of discontinuous trajectory for a mass particle moving on a taut string. <i>Nonlinear Dynamics</i> , 2016, 86, 2245-2260.	2.7	20
93	Wave transmission across surface interfaces in lattice structures. <i>International Journal of Engineering Science</i> , 2019, 145, 103173.	2.7	20
94	Cosserat-Type Shells. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2013, , 131-178.	0.3	19
95	A Note on Reduced Strain Gradient Elasticity. <i>Advanced Structured Materials</i> , 2018, , 301-310.	0.3	19
96	On free oscillations of an elastic solids with ordered arrays of nano-sized objects. <i>Continuum Mechanics and Thermodynamics</i> , 2015, 27, 583-607.	1.4	18
97	Acceleration waves in the nonlinear micromorphic continuum. <i>Mechanics Research Communications</i> , 2018, 93, 70-74.	1.0	18
98	Strongly anisotropic surface elasticity and antiplane surface waves. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190100.	1.6	18
99	On the influence of a surface roughness on propagation of anti-plane short-length localized waves in a medium with surface coating. <i>International Journal of Engineering Science</i> , 2021, 158, 103428.	2.7	18
100	On dynamic modeling of piezomagnetic/flexomagnetic microstructures based on Lord's Shulman thermoelastic model. <i>Archive of Applied Mechanics</i> , 2023, 93, 181-196.	1.2	18
101	On the generalized model of shell structures with functional cross-sections. <i>Composite Structures</i> , 2021, 272, 114192.	3.1	17
102	On the Influence of Residual Surface Stresses on the Properties of Structures at the Nanoscale. <i>Advanced Structured Materials</i> , 2013, , 21-32.	0.3	16
103	Surface effects of network materials based on strain gradient homogenized media. <i>Mathematics and Mechanics of Solids</i> , 2020, 25, 389-406.	1.5	16
104	Linear Micropolar Elasticity Analysis of Stresses in Bones Under Static Loads. <i>Strength of Materials</i> , 2017, 49, 575-585.	0.2	15
105	Cosserat Media. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2013, , 65-130.	0.3	15
106	On the Time-Dependent Behavior of FGM Plates. <i>Key Engineering Materials</i> , 0, 399, 63-70.	0.4	14
107	Mechanical Properties of Materials Considering Surface Effects. , 2013, , 105-115.		14
108	Free Vibration of Flexomagnetic Nanostructured Tubes Based on Stress-driven Nonlocal Elasticity. <i>Advanced Structured Materials</i> , 2020, , 215-226.	0.3	14

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109	A non-linear direct peridynamics plate theory. <i>Composite Structures</i> , 2022, 279, 114728.	3.1	14
110	Method of determining the eigenfrequencies of an ordered system of nanoobjects. <i>Technical Physics</i> , 2007, 52, 1-6.	0.2	13
111	A continual model of a damaged medium used for analyzing fatigue life of polycrystalline structural alloys under thermal-mechanical loading. <i>Continuum Mechanics and Thermodynamics</i> , 2020, 32, 229-245.	1.4	13
112	Characterization of the Functionally Graded Shear Modulus of a Half-Space. <i>Mathematics</i> , 2020, 8, 640.	1.1	13
113	Mechanical simulation of artificial gravity in torus-shaped and cylindrical spacecraft. <i>Acta Astronautica</i> , 2021, 179, 330-344.	1.7	13
114	Micropolar Shells as Two-dimensional Generalized Continua Models. <i>Advanced Structured Materials</i> , 2011, , 23-55.	0.3	13
115	Thin-walled Structures Made of Foams. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2010, , 167-242.	0.3	13
116	Mechanics of Viscoelastic Plates Made of FGMs. <i>Computational Methods in Applied Sciences (Springer)</i> , 2011, , 33-48.	0.1	12
117	Thin-Walled Structural Elements: Classification, Classical and Advanced Theories, New Applications. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2017, , 1-62.	0.3	12
118	Nonlinear Free and Forced Vibrations of a Hyperelastic Micro/Nanobeam Considering Strain Stiffening Effect. <i>Nanomaterials</i> , 2021, 11, 3066.	1.9	12
119	On the determination of eigenfrequencies for nanometer-size objects. <i>Doklady Physics</i> , 2006, 51, 93-97.	0.2	11
120	On the phase transitions in deformable solids. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2010, 90, 535-536.	0.9	11
121	Interaction of a helical shell with a nonlinear viscous fluid. <i>International Journal of Engineering Science</i> , 2012, 61, 53-58.	2.7	11
122	On Finite Element Computations of Contact Problems in Micropolar Elasticity. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-9.	1.0	11
123	On the Elastic Plates and Shells with Residual Surface Stresses. <i>Procedia IUTAM</i> , 2017, 21, 25-32.	1.2	11
124	A Nonlinear Model of a Mesh Shell. <i>Mechanics of Solids</i> , 2018, 53, 464-469.	0.3	11
125	Nonlinear planar modeling of massive taut strings travelled by a force-driven point-mass. <i>Nonlinear Dynamics</i> , 2019, 97, 2201-2218.	2.7	11
126	Nonlinear strain gradient and micromorphic one-dimensional elastic continua: Comparison through strong ellipticity conditions. <i>Mechanics Research Communications</i> , 2022, 124, 103909.	1.0	11

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127	Editorial: Refined theories of plates and shells. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2014, 94, 5-6.	0.9	10
128	Natural vibrations of nanodimensional piezoelectric bodies with contact-type boundary conditions. Mechanics of Solids, 2015, 50, 495-507.	0.3	10
129	On Dynamic Boundary Conditions Within the Linear Steigmann-Ogden Model of Surface Elasticity and Strain Gradient Elasticity. Advanced Structured Materials, 2019, , 195-207.	0.3	10
130	Bending analysis of functionally graded nanoplates based on a higher-order shear deformation theory using dynamic relaxation method. Continuum Mechanics and Thermodynamics, 2023, 35, 1103-1122.	1.4	10
131	On weak solutions of the boundary value problem within linear dilatational strain gradient elasticity for polyhedral Lipschitz domains. Mathematics and Mechanics of Solids, 2022, 27, 433-445.	1.5	10
132	Weak Solutions within the Gradient-Incomplete Strain-Gradient Elasticity. Lobachevskii Journal of Mathematics, 2020, 41, 1992-1998.	0.1	10
133	Extended micropolar approach within the framework of 3M theories and variations thereof. Continuum Mechanics and Thermodynamics, 2022, 34, 533-554.	1.4	10
134	Natural vibrations of nanotubes. Doklady Physics, 2007, 52, 431-435.	0.2	9
135	The spectrum of natural oscillations of an array of micro- or nanospheres on an elastic substrate. Doklady Physics, 2007, 52, 699-702.	0.2	9
136	Natural vibrations in a system of nanotubes. Journal of Applied Mechanics and Technical Physics, 2008, 49, 291-300.	0.1	9
137	On the Direct Approach in the Theory of Second Gradient Plates. Advanced Structured Materials, 2015, , 147-154.	0.3	9
138	On the correspondence between two- and three-dimensional Eshelby tensors. Continuum Mechanics and Thermodynamics, 2019, 31, 1615-1625.	1.4	9
139	On Effective Bending Stiffness of a Laminate Nanoplate Considering Steigmann's Ogden Surface Elasticity. Applied Sciences (Switzerland), 2020, 10, 7402.	1.3	9
140	Investigation of Wood Flour Size, Aspect Ratios, and Injection Molding Temperature on Mechanical Properties of Wood Flour/Polyethylene Composites. Materials, 2021, 14, 3406.	1.3	9
141	Flexomagnetism in buckled shear deformable hard-magnetic soft structures. Continuum Mechanics and Thermodynamics, 2022, 34, 1-16.	1.4	9
142	Least Action Principle for Second Gradient Continua and Capillary Fluids: A Lagrangian Approach Following Piola's Point of View. Advanced Structured Materials, 2014, , 606-694.	0.3	9
143	Wave processes in nanostructures formed by nanotube arrays or nanosize crystals. Journal of Applied Mechanics and Technical Physics, 2010, 51, 569-578.	0.1	8
144	On Equilibrium of a Second-Gradient Fluid Near Edges and Corner Points. Advanced Structured Materials, 2016, , 547-556.	0.3	8

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145	Computer simulation of the mechanical properties of metamaterials. Journal of Physics: Conference Series, 2016, 738, 012100.	0.3	8
146	Mathematical Models and Finite Element Approaches for Nanosized Piezoelectric Bodies with Uncoupled and Coupled Surface Effects. Advanced Structured Materials, 2017, , 1-18.	0.3	8
147	Nonlinear resultant theory of shells accounting for thermodiffusion. Continuum Mechanics and Thermodynamics, 2021, 33, 893-909.	1.4	8
148	Modeling of spiral nanofilms with piezoelectric properties. Physical Mesomechanics, 2011, 14, 10-15.	1.0	7
149	On the Variational Analysis of Vibrations of Prestressed Six-Parameter Shells. Advanced Structured Materials, 2016, , 3-19.	0.3	7
150	On Nonlocal Surface Elasticity and Propagation of Surface Anti-Plane Waves. Advanced Structured Materials, 2017, , 153-162.	0.3	7
151	Some Introductory and Historical Remarks on Mechanics of Microstructured Materials. Advanced Structured Materials, 2018, , 1-20.	0.3	7
152	On Nonlinear Dynamic Theory of Thin Plates with Surface Stresses. Advanced Structured Materials, 2019, , 19-26.	0.3	7
153	On Dynamic Extension of a Local Material Symmetry Group for Micropolar Media. Symmetry, 2020, 12, 1632.	1.1	7
154	Surface and interfacial anti-plane waves in micropolar solids with surface energy. Mathematics and Mechanics of Solids, 2021, 26, 708-721.	1.5	7
155	Local material symmetry group for first- and second-order strain gradient fluids. Mathematics and Mechanics of Solids, 2021, 26, 1173-1190.	1.5	7
156	On the Theories of Plates Based on the Cosserat Approach. Advances in Mechanics and Mathematics, 2010, , 27-35.	0.2	7
157	Nonlocalized thermal behavior of rotating micromachined beams under dynamic and thermodynamic loads. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2022, 102, e202100310.	0.9	7
158	Oscillations of a magneto-sensitive elastic sphere. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2008, 88, 497-506.	0.9	6
159	Collapse criteria of foam cells under various loading. Proceedings in Applied Mathematics and Mechanics, 2011, 11, 365-366.	0.2	6
160	On the Effective Properties of Elastic Materials and Structures at the Micro- and Nano-Scale Considering Various Models of Surface Elasticity. Springer Tracts in Mechanical Engineering, 2016, , 29-41.	0.1	6
161	Adaptation of the arbitrary Lagrange-Euler approach to fluid-solid interaction on an example of high velocity flow over thin platelet. Continuum Mechanics and Thermodynamics, 2019, 33, 2301.	1.4	6
162	Conservation laws and prediction methods for stress concentration fields. Acta Mechanica, 2011, 218, 349-355.	1.1	5

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163	Study of mechanical properties of ferroelectrics metamaterials using computer simulation. <i>Ferroelectrics</i> , 2017, 508, 151-160.	0.3	5
164	A Variationally Consistent Derivation of Microcontinuum Theories. <i>Advanced Structured Materials</i> , 2011, , 571-584.	0.3	5
165	Material Symmetry Group and Consistently Reduced Constitutive Equations of the Elastic Cosserat Continuum. <i>Advanced Structured Materials</i> , 2013, , 77-90.	0.3	5
166	Nonlinear free and forced vibrations of a dielectric elastomer-based microcantilever for atomic force microscopy. <i>Continuum Mechanics and Thermodynamics</i> , 0, , 1.	1.4	5
167	Instability of hollow polymeric microspheres upon swelling. <i>Doklady Physics</i> , 2007, 52, 37-40.	0.2	4
168	Modeling of nanosized piezoelectric and magnetoelectric bodies with surface effects. , 2014, , .		4
169	On the Theories of Plates and Shells at the Nanoscale. <i>Advanced Structured Materials</i> , 2015, , 25-57.	0.3	4
170	On strength analysis of highly porous materials within the framework of the micropolar elasticity. <i>Procedia Structural Integrity</i> , 2017, 5, 446-451.	0.3	4
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