Victor A Eremeyev

List of Publications by Year
in descending order

236 papers	6,965 citations	57719 44 h-index	82499 72 g-index
254 all docs	254 docs citations	254 times ranked	1672 citing authors

#	Article	IF	Citations
1	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
2	On dynamic modeling of piezomagnetic/flexomagnetic microstructures based on Lordâ€"Shulman thermoelastic model. Archive of Applied Mechanics, 2023, 93, 181-196.	1.2	18
3	Computational analysis of an infinite magneto-thermoelastic solid periodically dispersed with varying heat flow based on non-local Mooreâ€"Gibsonâ€"Thompson approach. Continuum Mechanics and Thermodynamics, 2022, 34, 1067-1085.	1.4	50
4	Flexomagneticity in buckled shear deformable hard-magnetic soft structures. Continuum Mechanics and Thermodynamics, 2022, 34, 1-16.	1.4	9
5	Thermal buckling of functionally graded piezomagnetic micro- and nanobeams presenting the flexomagnetic effect. Continuum Mechanics and Thermodynamics, 2022, 34, 1051-1066.	1.4	30
6	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
7	On the deformation and frequency analyses of SARS-CoV-2 at nanoscale. International Journal of Engineering Science, 2022, 170, 103604.	2.7	29
8	A non-linear direct peridynamics plate theory. Composite Structures, 2022, 279, 114728.	3.1	14
9	Flexomagneticity in Functionally Graded Nanostructures. Advanced Structured Materials, 2022, , 321-335.	0.3	2
10	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
11	Extended micropolar approach within the framework of 3M theories and variations thereof. Continuum Mechanics and Thermodynamics, 2022, 34, 533-554.	1.4	10
12	On a flexomagnetic behavior of composite structures. International Journal of Engineering Science, 2022, 175, 103671.	2.7	22
13	Nonlinear strain gradient and micromorphic one-dimensional elastic continua: Comparison through strong ellipticity conditions. Mechanics Research Communications, 2022, 124, 103909.	1.0	11
14	Anti-plane waves in an elastic thin strip with surface energy. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	1.6	1
15	The effect of shear deformations' rotary inertia on the vibrating response of multi-physic composite beam-like actuators. Composite Structures, 2022, 297, 115951.	3.1	4
16	Mechanical simulation of artificial gravity in torus-shaped and cylindrical spacecraft. Acta Astronautica, 2021, 179, 330-344.	1.7	13
17	On the influence of a surface roughness on propagation of anti-plane short-length localized waves in a medium with surface coating. International Journal of Engineering Science, 2021, 158, 103428.	2.7	18
18	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

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19	Surface and interfacial anti-plane waves in micropolar solids with surface energy. Mathematics and Mechanics of Solids, 2021, 26, 708-721.	1.5	7
20	Nonlinear resultant theory of shells accounting for thermodiffusion. Continuum Mechanics and Thermodynamics, 2021, 33, 893-909.	1.4	8
21	On thermal stability of piezo-flexomagnetic microbeams considering different temperature distributions. Continuum Mechanics and Thermodynamics, 2021, 33, 1281-1297.	1.4	26
22	On nonlinear dilatational strain gradient elasticity. Continuum Mechanics and Thermodynamics, 2021, 33, 1429-1463.	1.4	26
23	Experimental and Numerical Investigation of Tensile and Flexural Behavior of Nanoclay Wood-Plastic Composite. Materials, 2021, 14, 2773.	1.3	4
24	Local material symmetry group for first- and second-order strain gradient fluids. Mathematics and Mechanics of Solids, 2021, 26, 1173-1190.	1.5	7
25	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
26	Flexomagnetic response of buckled piezomagnetic composite nanoplates. Composite Structures, 2021, 267, 113932.	3.1	28
27	Effect of surface on the flexomagnetic response of ferroic composite nanostructures; nonlinear bending analysis. Composite Structures, 2021, 271, 114179.	3.1	21
28	On the generalized model of shell structures with functional cross-sections. Composite Structures, 2021, 272, 114192.	3.1	17
29	Strong ellipticity conditions and infinitesimal stability within nonlinear strain gradient elasticity. Mechanics Research Communications, 2021, 117, 103782.	1.0	21
30	On weak solutions of boundary value problems within the surface elasticity of N th order. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2021, 101, e202000378.	0.9	3
31	The Influence of Specimen Geometry and Loading Conditions on the Mechanical Properties of Porous Brittle Media. Materials, 2021, 14, 7144.	1.3	1
32	Nonlinear Free and Forced Vibrations of a Hyperelastic Micro/Nanobeam Considering Strain Stiffening Effect. Nanomaterials, 2021, 11, 3066.	1.9	12
33	Surface effects of network materials based on strain gradient homogenized media. Mathematics and Mechanics of Solids, 2020, 25, 389-406.	1.5	16
34	A continual model of a damaged medium used for analyzing fatigue life of polycrystalline structural alloys under thermal–mechanical loading. Continuum Mechanics and Thermodynamics, 2020, 32, 229-245.	1.4	13
35	On stress singularity near the tip of a crack with surface stresses. International Journal of Engineering Science, 2020, 146, 103183.	2.7	58
36	Post-critical buckling of truncated conical carbon nanotubes considering surface effects embedding in a nonlinear Winkler substrate using the Rayleigh-Ritz method. Materials Research Express, 2020, 7, 025005.	0.8	32

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37	Torsional stability capacity of a nano-composite shell based on a nonlocal strain gradient shell model under a three-dimensional magnetic field. International Journal of Engineering Science, 2020, 148, 103210.	2.7	106
38	Transverse surface waves on a cylindrical surface with coating. International Journal of Engineering Science, 2020, 147, 103188.	2.7	40
39	Strongly anisotropic surface elasticity and antiplane surface waves. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190100.	1.6	18
40	Enriched buckling for beam-lattice metamaterials. Mechanics Research Communications, 2020, 103, 103458.	1.0	48
41	On Dynamic Extension of a Local Material Symmetry Group for Micropolar Media. Symmetry, 2020, 12, 1632.	1.1	7
42	Buckling analysis of a non-concentric double-walled carbon nanotube. Acta Mechanica, 2020, 231, 5007-5020.	1.1	28
43	On instabilities and post-buckling of piezomagnetic and flexomagnetic nanostructures. International Journal of Engineering Science, 2020, 157, 103395.	2.7	77
44	On the well posedness of static boundary value problem within the linear dilatational strain gradient elasticity. Zeitschrift Fur Angewandte Mathematik Und Physik, 2020, 71, 1.	0.7	29
45	On the non-linear dynamics of torus-shaped and cylindrical shell structures. International Journal of Engineering Science, 2020, 156, 103371.	2.7	72
46	On Nonlinear Bending Study of a Piezo-Flexomagnetic Nanobeam Based on an Analytical-Numerical Solution. Nanomaterials, 2020, 10, 1762.	1.9	35
47	Effect of Axial Porosities on Flexomagnetic Response of In-Plane Compressed Piezomagnetic Nanobeams. Symmetry, 2020, 12, 1935.	1.1	38
48	On Effective Bending Stiffness of a Laminate Nanoplate Considering Steigmann–Ogden Surface Elasticity. Applied Sciences (Switzerland), 2020, 10, 7402.	1.3	9
49	On the Dynamics of a Visco–Piezo–Flexoelectric Nanobeam. Symmetry, 2020, 12, 643.	1.1	51
50	On rotational instability within the nonlinear six-parameter shell theory. International Journal of Solids and Structures, 2020, 196-197, 179-189.	1.3	23
51	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
52	Experimental analysis of wear resistance of compacts of fine-dispersed iron powder and tungsten monocarbide nanopowder produced by impulse pressing. Wear, 2020, 456-457, 203358.	1.5	4
53	On the effective properties of foams in the framework of the couple stress theory. Continuum Mechanics and Thermodynamics, 2020, 32, 1779-1801.	1.4	23
54	Flexoelectricity and apparent piezoelectricity of a pantographic micro-bar. International Journal of Engineering Science, 2020, 149, 103213.	2.7	58

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55	Characterization of the Functionally Graded Shear Modulus of a Half-Space. Mathematics, 2020, 8, 640.	1.1	13
56	Free Vibration of Flexomagnetic Nanostructured Tubes Based on Stress-driven Nonlocal Elasticity. Advanced Structured Materials, 2020, , 215-226.	0.3	14
57	Weak Solutions within the Gradient-Incomplete Strain-Gradient Elasticity. Lobachevskii Journal of Mathematics, 2020, 41, 1992-1998.	0.1	10
58	Elastic Shells, Material Symmetry Group. , 2020, , 816-822.		0
59	On Surface Kinetic Constitutive Relations. Advanced Structured Materials, 2020, , 145-152.	0.3	0
60	Size Effect in Nanomaterials. , 2020, , 2290-2291.		1
61	Anti-plane Surface Waves in Materials with Surface Energy. , 2020, , 107-110.		0
62	Aero, Eron Lyuttovich. , 2020, , 33-35.		1
63	On Solvability of Boundary Value Problems for Elastic Micropolar Shells with Rigid Inclusions. Mechanics of Solids, 2020, 55, 852-856.	0.3	4
64	Pantographic metamaterials: an example of mathematically driven design and of its technological challenges. Continuum Mechanics and Thermodynamics, 2019, 31, 851-884.	1.4	272
65	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
66	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
67	On the correspondence between two- and three-dimensional Eshelby tensors. Continuum Mechanics and Thermodynamics, 2019, 31, 1615-1625.	1.4	9
68	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
69	Nonlinear planar modeling of massive taut strings travelled by a force-driven point-mass. Nonlinear Dynamics, 2019, 97, 2201-2218.	2.7	11
70	Harmonic Vibrations of Nanosized Magnetoelectric Bodies with Coupled Surface and Interphase Effects: Mathematical Models and Finite Element Approaches. Springer Proceedings in Physics, 2019, , 345-363.	0.1	0
71	On existence and uniqueness of weak solutions for linear pantographic beam lattices models. Continuum Mechanics and Thermodynamics, 2019, 31, 1843-1861.	1.4	35
72	Wave transmission across surface interfaces in lattice structures. International Journal of Engineering Science, 2019, 145, 103173.	2.7	20

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73	Generalized continua with applications: Euromech Solid Mechanics Conference 2018. Continuum Mechanics and Thermodynamics, 2019, 31, 1571-1572.	1.4	1
74	Two- and three-dimensional elastic networks with rigid junctions: modeling within the theory of micropolar shells and solids. Acta Mechanica, 2019, 230, 3875-3887.	1.1	31
75	Assessment of dynamic characteristics of thin cylindrical sandwich panels with magnetorheological core. Journal of Intelligent Material Systems and Structures, 2019, 30, 2748-2769.	1.4	21
76	On Nonlinear Dynamic Theory of Thin Plates with Surface Stresses. Advanced Structured Materials, 2019, , 19-26.	0.3	7
77	On the Equations of the Surface Elasticity Model Based on the Theory ofÂPolymeric Brushes. Advanced Structured Materials, 2019, , 153-161.	0.3	2
78	On Anti-Plane Surface Waves Considering Highly Anisotropic Surface Elasticity Constitutive Relations. Advanced Structured Materials, 2019, , 1-9.	0.3	3
79	On Kinetic Nature of Hysteresis Phenomena in Stress-Induced Phase Transformations. Advanced Structured Materials, 2019, , 223-229.	0.3	4
80	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
81	Identification of shear modulus parameters of half-space inhomogeneous by depth. AIP Conference Proceedings, 2019, , .	0.3	1
82	Adaptation of the arbitrary Lagrangeâ€"Euler approach to fluidâ€"solid interaction on an example of high velocity flow over thin platelet. Continuum Mechanics and Thermodynamics, 2019, 33, 2301.	1.4	6
83	On the Characterization of the Nonlinear Reduced Micromorphic Continuum with the Local Material Symmetry Group. Advanced Structured Materials, 2019, , 43-54.	0.3	4
84	A Comparison of Boundary Element Method and Finite Element Method Dynamic Solutions for Poroelastic Column. Advanced Structured Materials, 2019, , 121-134.	0.3	2
85	ON ANTIPLANE DEFORMATIONS OF AN ELASTIC MATERIAL WITH RIGID FIBERS CONSIDERING SURFACE ENERGY AND NONPERFECT CONTACT. Nanoscience and Technology, 2019, 10, 79-87.	0.6	0
86	On Non-holonomic Boundary Conditions within the Nonlinear Cosserat Continuum. Advanced Structured Materials, 2019, , 93-104.	0.3	2
87	Surface Elasticity Models: Comparison Through the Condition of the Anti-plane Surface Wave Propagation. Advanced Structured Materials, 2019, , 113-124.	0.3	2
88	Antiplane Surface Wave Propagation Within the Stress Gradient Surface Elasticity. Mathematics of Planet Earth, 2019, , 29-37.	0.1	1
89	Singular Surface Curves in the Resultant Thermodynamics of Shells. Advanced Structured Materials, 2019, , 367-381.	0.3	0
90	Anti-plane Surface Waves in Materials with Surface Energy. , 2019, , 1-4.		0

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91	Some Introductory and Historical Remarks on Mechanics of Microstructured Materials. Advanced Structured Materials, 2018, , 1-20.	0.3	7
92	Virtual spring damper method for nonholonomic robotic swarm self-organization and leader following. Continuum Mechanics and Thermodynamics, 2018, 30, 1091-1102.	1.4	26
93	Aero, Eron Lyuttovich. , 2018, , 1-3.		0
94	A Note on Reduced Strain Gradient Elasticity. Advanced Structured Materials, 2018, , 301-310.	0.3	19
95	Acceleration waves in the nonlinear micromorphic continuum. Mechanics Research Communications, 2018, 93, 70-74.	1.0	18
96	Bending of a Three-Layered Plate with Surface Stresses. Advanced Structured Materials, 2018, , 1-10.	0.3	3
97	Linear Pantographic Sheets: Existence and Uniqueness of Weak Solutions. Journal of Elasticity, 2018, 132, 175-196.	0.9	115
98	On the peculiarities of anti-plane surface waves propagation for media with microstructured coating. MATEC Web of Conferences, 2018, 226, 03020.	0.1	1
99	A Nonlinear Model of a Mesh Shell. Mechanics of Solids, 2018, 53, 464-469.	0.3	11
100	On the material symmetry group for micromorphic media with applications to granular materials. Mechanics Research Communications, 2018, 94, 8-12.	1.0	33
101	On Computational Evaluation of Stress Concentration Using Micropolar Elasticity. Lecture Notes in Electrical Engineering, 2018, , 199-205.	0.3	1
102	Elastic Shells, Material Symmetry Group. , 2018, , 1-7.		0
103	On Nonlocal Surface Elasticity and Propagation of Surface Anti-Plane Waves. Advanced Structured Materials, 2017, , 153-162.	0.3	7
104	On the Elastic Plates and Shells with Residual Surface Stresses. Procedia IUTAM, 2017, 21, 25-32.	1.2	11
105	Study of mechanical properties of ferroelectrics metamaterials using computer simulation. Ferroelectrics, 2017, 508, 151-160.	0.3	5
106	On the Models of Three-Layered Plates and Shells with Thin Soft Core. Advanced Structured Materials, 2017, , 159-171.	0.3	0
107	Acceleration Waves in Media with Microstructure. Advanced Structured Materials, 2017, , 123-132.	0.3	0
108	Mathematical Models and Finite Element Approaches for Nanosized Piezoelectric Bodies with Uncoulped and Coupled Surface Effects. Advanced Structured Materials, 2017, , 1-18.	0.3	8

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109	Analytical and Computer Methods to Evaluate Mechanical Properties of the Metamaterials Based on Various Models of Polymeric Chains. Advanced Structured Materials, 2017, , 35-69.	0.3	2
110	On strength analysis of highly porous materials within the framework of the micropolar elasticity. Procedia Structural Integrity, 2017, 5, 446-451.	0.3	4
111	A layer-wise theory of shallow shells with thin soft core for laminated glass and photovoltaic applications. Composite Structures, 2017, 178, 434-446.	3.1	37
112	Linear Micropolar Elasticity Analysis of Stresses in Bones Under Static Loads. Strength of Materials, 2017, 49, 575-585.	0.2	15
113	Thin-Walled Structural Elements: Classification, Classical and Advanced Theories, New Applications. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2017, , 1-62.	0.3	12
114	Basics of Mechanics of Micropolar Shells. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2017, , 63-111.	0.3	23
115	ABOUT MODELS OF NANOSIZED PIEZOELECTRIC MATERIALSWITH COUPLED SURFACE EFFECTS. Problems of Strength and Plasticity, 2017, 79, 375-384.	0.1	1
116	On Finite Element Computations of Contact Problems in Micropolar Elasticity. Advances in Materials Science and Engineering, 2016, 2016, 1-9.	1.0	11
117	On Equilibrium of a Second-Gradient Fluid Near Edges and Corner Points. Advanced Structured Materials, 2016, , 547-556.	0.3	8
118	On Strain Rate Tensors and Constitutive Equations of Inelastic Micropolar Materials. Advanced Structured Materials, 2016, , 1-13.	0.3	2
119	A revisitation of the paradox of discontinuous trajectory for a mass particle moving on a taut string. Nonlinear Dynamics, 2016, 86, 2245-2260.	2.7	20
120	Computer simulation of the mechanical properties of metamaterials. Journal of Physics: Conference Series, 2016, 738, 012100.	0.3	8
121	Application of the Micropolar Theory to the Strength Analysis of Bioceramic Materials for Bone Reconstruction. Strength of Materials, 2016, 48, 573-582.	0.2	23
122	On the Variational Analysis of Vibrations of Prestressed Six-Parameter Shells. Advanced Structured Materials, 2016, , 3-19.	0.3	7
123	A special issue in honor of Prof. David Steigmann. Continuum Mechanics and Thermodynamics, 2016, 28, 1-3.	1.4	1
124	Material symmetry group and constitutive equations of micropolar anisotropic elastic solids. Mathematics and Mechanics of Solids, 2016, 21, 210-221.	1.5	106
125	Mathematical study of boundary-value problems within the framework of Steigmannâ€"Ogden model of surface elasticity. Continuum Mechanics and Thermodynamics, 2016, 28, 407-422.	1.4	63
126	Special Issue in Honor of Eron L Aero. Mathematics and Mechanics of Solids, 2016, 21, 3-5.	1.5	3

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127	Surface/interfacial anti-plane waves in solids with surface energy. Mechanics Research Communications, 2016, 74, 8-13.	1.0	53
128	Identifying traction–separation behavior of self-adhesive polymeric films from in situ digital images under T-peeling. Journal of the Mechanics and Physics of Solids, 2016, 91, 40-55.	2.3	26
129	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
130	On effective properties of materials at the nano- and microscales considering surface effects. Acta Mechanica, 2016, 227, 29-42.	1.1	159
131	ON FEM EVALUATION OF STRESS CONCENTRATION IN MICROPOLAR ELASTIC MATERIALS. International Journal of Nanomechanics Science and Technology, 2016, 7, 297-304.	0.5	3
132	On the constitutive equations of viscoelastic micropolar plates and shells of differential type. Mathematics and Mechanics of Complex Systems, 2015, 3, 273-283.	0.5	36
133	On the use of the first order shear deformation plate theory for the analysis of three–layer plates with thin soft core layer. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2015, 95, 1004-1011.	0.9	65
134	The Rayleigh and Courant variational principles in the six-parameter shell theory. Mathematics and Mechanics of Solids, 2015, 20, 806-822.	1.5	30
135	A relationship between effective work of adhesion and peel force for thin hyperelastic films undergoing large deformation. Mechanics Research Communications, 2015, 69, 24-26.	1.0	28
136	Natural vibrations of nanodimensional piezoelectric bodies with contact-type boundary conditions. Mechanics of Solids, 2015, 50, 495-507.	0.3	10
137	On the Direct Approach in the Theory of Second Gradient Plates. Advanced Structured Materials, 2015, , 147-154.	0.3	9
138	On the Theories of Plates and Shells at the Nanoscale. Advanced Structured Materials, 2015, , 25-57.	0.3	4
139	Analytical continuum mechanics <i>à la</i> Hamilton–Piola least action principle for second gradient continua and capillary fluids. Mathematics and Mechanics of Solids, 2015, 20, 375-417.	1.5	212
140	On free oscillations of an elastic solids with ordered arrays of nano-sized objects. Continuum Mechanics and Thermodynamics, 2015, 27, 583-607.	1.4	18
141	Modeling of nanosized piezoelectric and magnetoelectric bodies with surface effects. , 2014, , .		4
142	Harmonic vibrations of nanosized piezoelectric bodies with surface effects. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2014, 94, 878-892.	0.9	31
143	Editorial: Refined theories of plates and shells. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2014, 94, 5-6.	0.9	10
144	Vibration Analysis of Non-linear 6-parameter Prestressed Shells. Meccanica, 2014, 49, 1751-1761.	1.2	37

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145	Equilibrium of a second-gradient fluid and an elastic solid with surface stresses. Meccanica, 2014, 49, 2635-2643.	1.2	40
146	Some problems of nanomechanics. Physical Mesomechanics, 2014, 17, 23-29.	1.0	2
147	Strain rate tensors and constitutive equations of inelastic micropolar materials. International Journal of Plasticity, 2014, 63, 3-17.	4.1	59
148	A layer-wise theory for laminated glass and photovoltaic panels. Composite Structures, 2014, 112, 283-291.	3.1	107
149	Modeling of packaging behavior in closed-cell aluminum foam. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 241-242.	0.2	0
150	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
151	Basic Equations of Continuum Mechanics. Engineering Materials, 2014, , 1-47.	0.3	2
152	Shells and Plates with Surface Effects. Advanced Structured Materials, 2013, , 1-15.	0.3	0
153	Existence of weak solutions in elasticity. Mathematics and Mechanics of Solids, 2013, 18, 204-217.	1.5	44
154	Generalized Continua from the Theory to Engineering Applications. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2013, , .	0.3	46
155	Mechanical Properties of Materials Considering Surface Effects. , 2013, , 105-115.		14
156	Cosserat-Type Shells. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2013, , 131-178.	0.3	19
157	Constitutive Equations. SpringerBriefs in Applied Sciences and Technology, 2013, , 35-70.	0.2	0
158	On the Influence of Residual Surface Stresses on the Properties of Structures at the Nanoscale. Advanced Structured Materials, 2013, , 21-32.	0.3	16
159	Propagation of linear compression waves through plane interfacial layers and mass adsorption in second gradient fluids. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2013, 93, 914-927.	0.9	68
160	Foundations of Micropolar Mechanics. SpringerBriefs in Applied Sciences and Technology, 2013, , .	0.2	153
161	Material Symmetry Group and Consistently Reduced Constitutive Equations of the Elastic Cosserat Continuum. Advanced Structured Materials, 2013, , 77-90.	0.3	5
162	Cosserat Media. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2013, , 65-130.	0.3	15

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163	Cosserat-Type Rods. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2013, , 179-248.	0.3	37
164	Surface viscoelasticity and effective properties of thin-walled structures at the nanoscale. International Journal of Engineering Science, 2012, 59, 83-89.	2.7	78
165	Interaction of a helical shell with a nonlinear viscous fluid. International Journal of Engineering Science, 2012, 61, 53-58.	2.7	11
166	On the Continuum Mechanics Approach in Modeling Nanosized Structural Elements. Advanced Structured Materials, 2012, , 351-371.	0.3	1
167	On a thermodynamic theory of rods with two temperature fields. Acta Mechanica, 2012, 223, 1583-1596.	1.1	37
168	Deformation analysis of functionally graded beams by the direct approach. Composites Part B: Engineering, 2012, 43, 1315-1328.	5.9	123
169	Material symmetry group of the non-linear polar-elastic continuum. International Journal of Solids and Structures, 2012, 49, 1993-2005.	1.3	110
170	ON THE INELASTIC CONSTITUTIVE EQUATIONS OF PLATES AND SHELLS MADE OF FOAMS. , 2011, , .		0
171	On the shell theory on the nanoscale with surface stresses. International Journal of Engineering Science, 2011, 49, 1294-1301.	2.7	135
172	Conservation laws and prediction methods for stress concentration fields. Acta Mechanica, 2011, 218, 349-355.	1.1	5
173	Academician Iosif I. Vorovich. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2011, 91, 429-432.	0.9	3
174	Existence theorems in the linear theory of micropolar shells. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2011, 91, 468-476.	0.9	37
175	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
176	Collapse criteria of foam cells under various loading. Proceedings in Applied Mathematics and Mechanics, 2011, 11, 365-366.	0.2	6
177	Thermomechanics of shells undergoing phase transition. Journal of the Mechanics and Physics of Solids, 2011, 59, 1395-1412.	2.3	78
178	Modeling of spiral nanofilms with piezoelectric properties. Physical Mesomechanics, 2011, 14, 10-15.	1.0	7
179	Mechanics of Viscoelastic Plates Made of FGMs. Computational Methods in Applied Sciences (Springer), 2011, , 33-48.	0.1	12
180	Micropolar Shells as Two-dimensional Generalized Continua Models. Advanced Structured Materials, 2011, , 23-55.	0.3	13

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181	A Variationally Consistent Derivation of Microcontinuum Theories. Advanced Structured Materials, 2011, , 571-584.	0.3	5
182	On the Nonlinear Theory of Two-Phase Shells. Advanced Structured Materials, 2011, , 219-232.	0.3	1
183	The effective stiffness of a nanoporous rod. Doklady Physics, 2010, 55, 279-282.	0.2	37
184	On equations of the linear theory of shells with surface stresses taken into account. Mechanics of Solids, 2010, 45, 331-342.	0.3	86
185	Acceleration waves and ellipticity in thermoelastic micropolar media. Archive of Applied Mechanics, 2010, 80, 217-227.	1.2	87
186	On generalized Cosserat-type theories of plates and shells: a short review and bibliography. Archive of Applied Mechanics, 2010, 80, 73-92.	1.2	352
187	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
188	On the effective stiffness of plates made of hyperelastic materials with initial stresses. International Journal of Non-Linear Mechanics, 2010, 45, 976-981.	1.4	33
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