Dorin IeÅan

List of Publications by Year
in descending order

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156	3,214	201385	189595
papers	citations	27	50
		h-index	g-index

161	161	161	602
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A theory of thermoelastic materials with voids. Acta Mechanica, 1986, 60, 67-89.	1.1	363
2	Thermoelastic Models of Continua. Solid Mechanics and Its Applications, 2004, , .	0.1	159
3	ON A THEORY OF THERMOELASTICITY WITH MICROTEMPERATURES. Journal of Thermal Stresses, 2000, 23, 199-215.	1.1	129
4	ON A THEORY OF MICROMORPHIC ELASTIC SOLIDS WITH MICROTEMPERATURES. Journal of Thermal Stresses, 2001, 24, 737-752.	1.1	112
5	On thermoelastic bodies with inner structure and microtemperatures. Journal of Mathematical Analysis and Applications, 2009, 354, 12-23.	0.5	104
6	Thermoelasticity of bodies with microstructure and microtemperatures. International Journal of Solids and Structures, 2007, 44, 8648-8662.	1.3	101
7	On a Theory of Thermoelastic Materials with a Double Porosity Structure. Journal of Thermal Stresses, 2014, 37, 1017-1036.	1.1	99
8	A generalized theory of linear micropolar thermoelasticity. Meccanica, 1973, 8, 154-157.	1.2	70
9	On a Theory of Thermoviscoelastic Materials with Voids. Journal of Elasticity, 2011, 104, 369-384.	0.9	70
10	On the linear coupled thermoelasticity with two temperatures. Zeitschrift Fur Angewandte Mathematik Und Physik, 1970, 21, 583-591.	0.7	65
11	On the equilibrium theory of microstretch elastic solids. International Journal of Engineering Science, 1995, 33, 399-410.	2.7	64
12	On Saint-Venant's problem. Archive for Rational Mechanics and Analysis, 1986, 91, 363-373.	1.1	59
13	Some theorems in the theory of elastic materials with voids. Journal of Elasticity, 1985, 15, 215-224.	0.9	58
14	THERMAL STRESSES IN COMPOSITE CYLINDERS. Journal of Thermal Stresses, 1980, 3, 495-508.	1.1	51
15	ON THE THEORY OF MIXTURES OF THERMOELASTIC SOLIDS. Journal of Thermal Stresses, 1991, 14, 389-408.	1.1	51
16	Existence theorems in the theory of micropolar elasticity. International Journal of Engineering Science, 1970, 8, 777-791.	2.7	47
17	A Theory of Porous Thermoviscoelastic Mixtures. Journal of Thermal Stresses, 2007, 30, 693-714.	1.1	46
18	ON THE THEORY OF VISCOELASTIC MIXTURES. Journal of Thermal Stresses, 2004, 27, 1125-1148.	1.1	44

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19	Saint-Venant's problem for inhomogeneous and anisotropic elastic bodies. Journal of Elasticity, 1976, 6, 277-294.	0.9	43
20	Torsion of micropolar elastic beams. International Journal of Engineering Science, 1971, 9, 1047-1060.	2.7	41
21	On the linear theory of micropolar elasticity. International Journal of Engineering Science, 1969, 7, 1213-1220.	2.7	37
22	Existence and continuous dependence results in the theory of interacting continua. Journal of Elasticity, 1994, 36, 85-98.	0.9	37
23	On the plane strain of microstretch elastic solids. International Journal of Engineering Science, 2001, 39, 1815-1835.	2.7	36
24	ON A THEORY OF INTERACTING CONTINUA WITH MEMORY. Journal of Thermal Stresses, 2002, 25, 1161-1177.	1.1	35
25	ON SOME THEOREMS IN THERMOPIEZOELECTRICITY. Journal of Thermal Stresses, 1989, 12, 209-223.	1.1	32
26	On the Theory of Viscoelastic Mixtures and Stability. Mathematics and Mechanics of Solids, 2008, 13, 55-80.	1.5	32
27	A THEORY OF MIXTURES WITH DIFFERENT CONSTITUENT TEMPERATURES. Journal of Thermal Stresses, 1997, 20, 147-167.	1.1	29
28	Thermopiezoelectricity without energy dissipation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2008, 464, 631-657.	1.0	28
29	On the theory of heat for micromorphic bodies. International Journal of Engineering Science, 2005, 43, 17-32.	2.7	27
30	Some theorems in the theory of microstretch thermopiezoelectricity. International Journal of Engineering Science, 2007, 45, 1-16.	2.7	27
31	Torsion of Anisotropic Micropolar Elastic Cylinders. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1974, 54, 773-779.	0.9	25
32	Saint-venants problem for microstretch elastic solids. International Journal of Engineering Science, 1994, 32, 229-236.	2.7	25
33	Decay estimates and energy bounds for porous elastic cylinders. Zeitschrift Fur Angewandte Mathematik Und Physik, 1995, 46, 268-281.	0.7	25
34	On the theory of heat conduction in micromorphic continua. International Journal of Engineering Science, 2002, 40, 1859-1878.	2.7	25
35	Thermal Stresses in Plane Strain of Porous Elastic Solids. Meccanica, 2004, 39, 125-138.	1.2	25
36	Method of potentials in elastostatics of solids with double porosity. International Journal of Engineering Science, 2015, 88, 118-127.	2.7	24

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37	Existence theorems in micropolar elastostatics. International Journal of Engineering Science, 1971, 9, 59-78.	2.7	23
38	On the theory of mixtures of elastic solids. Journal of Elasticity, 1994, 35, 251-268.	0.9	23
39	Axially symmetric problems for a porous elastic solid. International Journal of Solids and Structures, 2003, 40, 5271-5286.	1.3	23
40	Thermal stresses in microstretch elastic plates. International Journal of Engineering Science, 2005, 43, 885-907.	2.7	23
41	A Theory of Thermoviscoelastic Composites Modelled as Interacting Cosserat Continua. Journal of Thermal Stresses, 2007, 30, 1269-1289.	1.1	23
42	Reciprocity, uniqueness and minimum principles in the linear theory of piezoelectricity. International Journal of Engineering Science, 1990, 28, 1139-1149.	2.7	22
43	Existence and continuous dependence results in the theory of microstretch elastic bodies. International Journal of Engineering Science, 1994, 32, 991-1001.	2.7	22
44	Nonlinear Plane Strain of Elastic Materials with Voids. Mathematics and Mechanics of Solids, 2006, 11, 361-384.	1.5	22
45	On the microstretch piezoelectricity. International Journal of Engineering Science, 2006, 44, 819-829.	2.7	22
46	Extremum principles and existence results in micromorphic elasticity. International Journal of Engineering Science, 2001, 39, 2051-2070.	2.7	21
47	On the micromorphic thermoelasticity. International Journal of Engineering Science, 2002, 40, 549-567.	2.7	19
48	On a theory of thermoelasticity without energy dissipation for solids with microtemperatures. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2018, 98, 870-885.	0.9	19
49	Qualitative properties in strain gradient thermoelasticity with microtemperatures. Mathematics and Mechanics of Solids, 2018, 23, 240-258.	1.5	19
50	A theory of mixtures of nonsimple elastic solids. International Journal of Engineering Science, 1992, 30, 317-328.	2.7	17
51	On a strain gradient theory of thermoviscoelasticity. Mechanics Research Communications, 2013, 48, 52-58.	1.0	17
52	On Saint-Venant's problem in micropolar elasticity. International Journal of Engineering Science, 1971, 9, 879-888.	2.7	16
53	Some applications of micropolar mechanics to earthquake problems. International Journal of Engineering Science, 1981, 19, 855-864.	2.7	16
54	On Saint Venant's principle for microstretch elastic bodies. International Journal of Engineering Science, 1997, 35, 1277-1290.	2.7	16

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55	On the deformation of inhomogeneous orthotropic elastic cylinders. European Journal of Mechanics, A/Solids, 2007, 26, 999-1015.	2.1	16
56	On the Deformation of Functionally Graded Porous Elastic Cylinders. Journal of Elasticity, 2007, 87, 147-159.	0.9	16
57	Extension and bending of microstretch elastic circular cylinders. International Journal of Engineering Science, 1995, 33, 1139-1151.	2.7	15
58	Chiral effects in uniformly loaded rods. Journal of the Mechanics and Physics of Solids, 2010, 58, 1272-1285.	2.3	15
59	A theory of thermopiezoelectricity with strain gradient and electric field gradient effects. European Journal of Mechanics, A/Solids, 2018, 67, 280-290.	2.1	15
60	Continuous dependence in a nonlinear theory of viscoelastic porous mixtures. International Journal of Engineering Science, 2006, 44, 1127-1145.	2.7	14
61	Plane deformation of elastic bodies with microtemperatures. Mechanics Research Communications, 2010, 37, 617-621.	1.0	14
62	On a Theory of Thermoviscoelastic Mixtures. Journal of Thermal Stresses, 2011, 34, 228-243.	1.1	14
63	Deformation of porous Cosserat elastic bars. International Journal of Solids and Structures, 2011, 48, 573-583.	1.3	13
64	Strain gradient theory of chiral Cosserat thermoelasticity without energy dissipation. Journal of Mathematical Analysis and Applications, 2016, 437, 1219-1235.	0.5	12
65	Plane strain problems in piezoelectricity. International Journal of Engineering Science, 1987, 25, 1511-1523.	2.7	11
66	On the theory of uniformly loaded cylinders. Journal of Elasticity, 1986, 16, 375-382.	0.9	10
67	On Saint-Venant's problem for elastic dielectrics. Journal of Elasticity, 1989, 21, 101-115.	0.9	10
68	RECIPROCITY, UNIQUENESS, AND MINIMUM PRINCIPLES IN THE DYNAMIC THEORY OF THERMOELASTICITY. Journal of Thermal Stresses, 1989, 12, 465-481.	1.1	10
69	A Theory of Chiral Cosserat Elastic Plates. Journal of Elasticity, 2013, 111, 245-263.	0.9	10
70	On chiral effects in strain gradient elasticity. European Journal of Mechanics, A/Solids, 2016, 58, 233-246.	2.1	10
71	A gradient theory of porous elastic solids. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2020, 100, e201900241.	0.9	10
72	On the thermal stresses in beams. Journal of Engineering Mathematics, 1972, 6, 155-163.	0.6	9

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73	Existence theorems in the theory of mixtures. Journal of Elasticity, 1996, 42, 145-163.	0.9	9
74	Uniqueness results in the theory of microstretch fluids. International Journal of Engineering Science, 1997, 35, 669-679.	2.7	9
75	Singular Surfaces in the Theory of Thermoelasticity with Microtemperatures. Journal of Thermal Stresses, 2009, 32, 1279-1292.	1.1	9
76	Non-linear deformations of porous elastic solids. International Journal of Non-Linear Mechanics, 2013, 49, 57-65.	1.4	9
77	Reciprocal theorems and variational theorems in nonlocal elastodynamics. International Journal of Engineering Science, 1977, 15, 693-699.	2.7	8
78	Saint-Venant's problem for composite micropolar elastic cylinders. International Journal of Engineering Science, 1979, 17, 573-586.	2.7	8
79	Some Properties of Solutions in Dynamical Theory of Mixtures. Mathematics and Mechanics of Solids, 1997, 2, 351-360.	1.5	8
80	On the bending of piezoelectric plates with microstructure. Acta Mechanica, 2008, 198, 191-208.	1.1	8
81	Micromorphic elastic solids with initial stresses and initial heat flux. International Journal of Engineering Science, 2011, 49, 1350-1356.	2.7	8
82	On the theory of thermoelastic materials with a double porosity structure. Journal of Thermal Stresses, 2021, 44, 1514-1533.	1.1	8
83	On the positive definiteness of the operator of the micropolar elasticity. Journal of Engineering Mathematics, 1974, 8, 107-112.	0.6	7
84	THERMAL STRESSES IN HETEROGENEOUS ANISOTROPIC COSSERAT ELASTIC CYLINDERS. Journal of Thermal Stresses, 1985, 8, 385-397.	1.1	7
85	ON THE NONLINEAR THEORY OF NONSIMPLE THERMOELASTIC BODIES. Journal of Thermal Stresses, 1989, 12, 545-557.	1.1	7
86	Thermal Stresses in Inhomogeneous Porous Elastic Cylinders. Journal of Thermal Stresses, 2007, 30, 145-164.	1.1	7
87	Pressure vessel problem for chiral elastic tubes. International Journal of Engineering Science, 2011, 49, 411-419.	2.7	7
88	On the torsion of chiral bars in gradient elasticity. International Journal of Solids and Structures, 2013, 50, 588-594.	1.3	7
89	Deformation of thin chiral plates in strain gradient elasticity. European Journal of Mechanics, A/Solids, 2014, 44, 212-221.	2.1	7
90	First-Strain Gradient Theory of Thermoviscoelasticity. Journal of Thermal Stresses, 2015, 38, 701-715.	1.1	7

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91	Viscoelastic materials with a double porosity structure. Comptes Rendus - Mecanique, 2019, 347, 124-140.	2.1	7
92	THERMOELASTICITY OF INITIALLY HEATED BODIES. Journal of Thermal Stresses, 1988, 11, 17-38.	1.1	6
93	On complex potentials in the theory of microstretch elastic bodies. International Journal of Engineering Science, 2003, 41, 1989-2003.	2.7	6
94	Second-order effects in the torsion of elastic materials with voids. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2005, 85, 351-365.	0.9	6
95	On the Nonlinear Theory of Thermoviscoelastic Materials with Voids. Journal of Elasticity, 2017, 128, 1-16.	0.9	6
96	Thermal stresses in micropolar elastic cylinders. Acta Mechanica, 1975, 21, 261-272.	1.1	5
97	THERMOELASTIC STRESSES IN INITIALLY STRESSED BODIES WITH MICROSTRUCTURE. Journal of Thermal Stresses, 1981, 4, 387-405.	1.1	5
98	Some Results in the Dynamical Theory of Porous Elastic Bodies. Journal of Elasticity, 1998, 50, 03-14.	0.9	5
99	On the nonlinear theory of interacting micromorphic materials. International Journal of Engineering Science, 2004, 42, 2135-2145.	2.7	5
100	Almansi's problem in micropolar elasticity. International Journal of Engineering Science, 1974, 12, 361-374.	2.7	4
101	Saint-Venant's problem for heterogeneous anisotropic elastic solids. Annali Di Matematica Pura Ed Applicata, 1976, 108, 149-159.	0.5	4
102	Saint-Venant's problem for inhomogeneous bodies. International Journal of Engineering Science, 1976, 14, 353-360.	2.7	4
103	ON THE STABILITY OF MOTIONS OF THERMOELASTIC FLUIDS. Journal of Thermal Stresses, 1994, 17, 409-418.	1.1	4
104	A theory of prestressed thermoelastic Cosserat continua. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2008, 88, 306-319.	0.9	4
105	Thermal effects in chiral elastic rods. International Journal of Thermal Sciences, 2010, 49, 1593-1599.	2.6	4
106	Thermal Stresses in Chiral Elastic Beams. Journal of Thermal Stresses, 2011, 34, 458-487.	1.1	4
107	On the grade consistent theories of micromorphic elastic solids. AIP Conference Proceedings, 2011, , .	0.3	4
108	Thermal Effects in Anisotropic Porous Elastic Rods. Journal of Thermal Stresses, 2013, 36, 364-377.	1.1	4

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109	Deformation of chiral cylinders in the gradient theory of porous elastic solids. Mathematics and Mechanics of Solids, 2016, 21, 1138-1148.	1.5	4
110	Thermoelastic deformation of reinforced chiral cylinders. Acta Mechanica, 2017, 228, 3901-3922.	1.1	4
111	On the prestressed thermoelastic porous materials. Journal of Thermal Stresses, 2018, 41, 1212-1224.	1.1	4
112	Generalized twist for the torsion of micropolar cylinders. Meccanica, 1986, 21, 94-96.	1.2	3
113	A THEORY OF THERMOVISCOELAST1C DIELECTRICS. Journal of Thermal Stresses, 1991, 14, 589-606.	1.1	3
114	On the theory of bubbly fluids. International Journal of Engineering Science, 1995, 33, 1853-1860.	2.7	3
115	Method of complex potentials in linear microstretch elasticity. International Journal of Engineering Science, 2006, 44, 797-806.	2.7	3
116	Porous elastic beams reinforced by longitudinal rods. Zeitschrift Fur Angewandte Mathematik Und Physik, 2009, 60, 1156-1177.	0.7	3
117	Two-dimensional heat conduction in thermodynamics of continua with microtemperature distributions. International Journal of Thermal Sciences, 2012, 55, 48-59.	2.6	3
118	Deformation of chiral rods in the strain gradient theory of thermoelasticity. European Journal of Mechanics, A/Solids, 2013, 37, 351-360.	2.1	3
119	Fundamental solutions for chiral solids in gradient elasticity. Mechanics Research Communications, 2014, 61, 47-52.	1.0	3
120	Torsion of Chiral Porous Elastic Beams. Journal of Elasticity, 2019, 134, 103-118.	0.9	3
121	Strain gradient theory of porous solids with initial stresses and initial heat flux. Discrete and Continuous Dynamical Systems - Series B, 2014, 19, 2169-2187.	0.5	3
122	On a Theory of Thermoviscoelastic Materials with Voids. , 2011, , 369-384.		3
123	Saint-Venant's problem for inhomogeneous and anisotropic solids. Journal of Engineering Mathematics, 1975, 9, 281-290.	0.6	2
124	THERMAL STRESSES IN COMPOSITE COSSERAT ELASTIC CYLINDERS. Journal of Thermal Stresses, 1978, 1, 149-162.	1.1	2
125	On generalized saint-venant's problems. International Journal of Engineering Science, 1986, 24, 849-858.	2.7	2
126	A theory of mixtures of nonsimple fluids. International Journal of Engineering Science, 1994, 32, 1423-1436.	2.7	2

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127	Propagation of singular surfaces in thermo-microstretch continua with memory. International Journal of Engineering Science, 2006, 44, 845-858.	2.7	2
128	On the theory of loaded inhomogeneous cylinders. Mechanics Research Communications, 2007, 34, 136-144.	1.0	2
129	Binary Mixtures of Elastic Solids with Microstructure. Mathematics and Mechanics of Solids, 2009, 14, 564-586.	1.5	2
130	Torsion of chiral Cosserat elastic rods. European Journal of Mechanics, A/Solids, 2010, 29, 990-997.	2.1	2
131	Prestressed composites modelled as interacting solid continua. Nonlinear Analysis: Real World Applications, 2011, 12, 513-524.	0.9	2
132	On the torsion of inhomogeneous and anisotropic bars. Mathematics and Mechanics of Solids, 2012, 17, 848-859.	1.5	2
133	Deformation of microstretch elastic beams loaded on the lateral surface. Mathematics and Mechanics of Solids, 2019, 24, 2274-2294.	1.5	2
134	On a strain gradient theory of porous thermoelastic solids. Journal of Thermal Stresses, 2021, 44, 597-609.	1.1	2
135	SAINT-VENANTâ€™S PROBLEM IN MICROPOLAR ELASTICITY. , 1982, , 281-393.		2
136	On the crack propagation in micropolar elastic solids. International Journal of Engineering Science, 1984, 22, 547-555.	2.7	1
137	On the plane strain of thermo-microstretch elastic solids. International Journal of Engineering Science, 2004, 42, 1957-1972.	2.7	1
138	Thermo-Elastic Deformation of Porous Cosserat Beams. Journal of Thermal Stresses, 2008, 31, 823-847.	1.1	1
139	Deformation of chiral elastic cylinders composed of two materials. International Journal of Solids and Structures, 2015, 69-70, 207-216.	1.3	1
140	Thermal stresses in chiral plates. Journal of Thermal Stresses, 2017, 40, 344-362.	1.1	1
141	On the Deformation of Chiral Piezoelectric Plates. Advanced Structured Materials, 2018, , 417-438.	0.3	1
142	Deformation of beams in the grade consistent theory of microstretch elastic solids. Acta Mechanica, 2020, 231, 1351-1363.	1.1	1
143	Generalized plane strain of chiral elastic solids. Mechanics Research Communications, 2020, 107, 103564.	1.0	1
144	On uniqueness and continuous dependence in nonlinear thermodynamics of electromagnetic materials. Quarterly of Applied Mathematics, 1990, 48, 85-94.	0.5	1

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145	A strain gradient theory of thermo-microstretch elastic solids. Zeitschrift Fur Angewandte Mathematik Und Physik, 2022, 73, 1.	0.7	1
146	Thermal stresses in inhomogeneous elastic cylinders. Mechanics Research Communications, 1975, 2, 125-129.	1.0	0
147	Uniqueness Theorems in the Theory of Nonsimple Fluids. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1997, 77, 146-150.	0.9	0
148	THERMAL STRESSES IN HETEROGENEOUS ELASTIC CYLINDERS WITH MICROSTRUCTURE. Journal of Thermal Stresses, 1999, 22, 371-385.	1.1	0
149	Minimum Principles for Interacting Cosserat Elastic Continua. Mathematical Problems in Engineering, 2015, 2015, 1-8.	0.6	0
150	Chiral effects in piezoelectricity. Mechanics Research Communications, 2017, 79, 24-31.	1.0	0
151	On the deformation of almost cylindrical elastic beams. International Journal of Mechanical and Materials Engineering, 2017, 12, .	1.1	0
152	Deformation of heterogeneous microstretch elastic bars. Journal of Mechanics of Materials and Structures, 2020, 15, 345-359.	0.4	0
153	Thermal stresses in orthotropic Cosserat elastic cylinders. Journal of Thermal Stresses, 2020, 43, 321-335.	1.1	0
154	On the deformation of micromorphic elastic beams. Mathematics and Mechanics of Solids, 2021, 26, 1779-1797.	1.5	0
155	On the theory of chiral plates and associated system of Timoshenkoâ€“Ehrenfest type. Mechanics of Materials, 2021, 160, 103974.	1.7	0
156	On the grade consistent theories of micromorphic elastic solids. AIP Conference Proceedings, 2011, , .	0.3	0