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 strain gradient theory of thermo-microstretch elastic solids. Zeitschrift Fur Angewandte Mathematik Und Physik, 2022, 73, 1.	0.7	1
2	On a strain gradient theory of porous thermoelastic solids. Journal of Thermal Stresses, 2021, 44, 597-609.	1.1	2
3	On the deformation of micromorphic elastic beams. Mathematics and Mechanics of Solids, 2021, 26, 1779-1797.	1.5	0
4	On the theory of chiral plates and associated system of Timoshenkoâ€“Ehrenfest type. Mechanics of Materials, 2021, 160, 103974.	1.7	0
5	On the theory of thermoelastic materials with a double porosity structure. Journal of Thermal Stresses, 2021, 44, 1514-1533.	1.1	8
6	Deformation of beams in the grade consistent theory of microstretch elastic solids. Acta Mechanica, 2020, 231, 1351-1363.	1.1	1
7	Generalized plane strain of chiral elastic solids. Mechanics Research Communications, 2020, 107, 103564.	1.0	1
8	Deformation of heterogeneous microstretch elastic bars. Journal of Mechanics of Materials and Structures, 2020, 15, 345-359.	0.4	0
9	A gradient theory of porous elastic solids. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2020, 100, e201900241.	0.9	10
10	Thermal stresses in orthotropic Cosserat elastic cylinders. Journal of Thermal Stresses, 2020, 43, 321-335.	1.1	0
11	Torsion of Chiral Porous Elastic Beams. Journal of Elasticity, 2019, 134, 103-118.	0.9	3
12	Viscoelastic materials with a double porosity structure. Comptes Rendus - Mecanique, 2019, 347, 124-140.	2.1	7
13	Deformation of microstretch elastic beams loaded on the lateral surface. Mathematics and Mechanics of Solids, 2019, 24, 2274-2294.	1.5	2
14	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
15	On the Deformation of Chiral Piezoelectric Plates. Advanced Structured Materials, 2018, , 417-438.	0.3	1
16	Qualitative properties in strain gradient thermoelasticity with microtemperatures. Mathematics and Mechanics of Solids, 2018, 23, 240-258.	1.5	19
17	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
18	On the prestressed thermoelastic porous materials. Journal of Thermal Stresses, 2018, 41, 1212-1224.	1.1	4

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19	Chiral effects in piezoelectricity. Mechanics Research Communications, 2017, 79, 24-31.	1.0	0
20	On the Nonlinear Theory of Thermoviscoelastic Materials with Voids. Journal of Elasticity, 2017, 128, 1-16.	0.9	6
21	Thermoelastic deformation of reinforced chiral cylinders. Acta Mechanica, 2017, 228, 3901-3922.	1.1	4
22	On the deformation of almost cylindrical elastic beams. International Journal of Mechanical and Materials Engineering, 2017, 12, .	1.1	0
23	Thermal stresses in chiral plates. Journal of Thermal Stresses, 2017, 40, 344-362.	1.1	1
24	Deformation of chiral cylinders in the gradient theory of porous elastic solids. Mathematics and Mechanics of Solids, 2016, 21, 1138-1148.	1.5	4
25	On chiral effects in strain gradient elasticity. European Journal of Mechanics, A/Solids, 2016, 58, 233-246.	2.1	10
26	Strain gradient theory of chiral Cosserat thermoelasticity without energy dissipation. Journal of Mathematical Analysis and Applications, 2016, 437, 1219-1235.	0.5	12
27	Minimum Principles for Interacting Cosserat Elastic Continua. Mathematical Problems in Engineering, 2015, 2015, 1-8.	0.6	0
28	First-Strain Gradient Theory of Thermoviscoelasticity. Journal of Thermal Stresses, 2015, 38, 701-715.	1.1	7
29	Deformation of chiral elastic cylinders composed of two materials. International Journal of Solids and Structures, 2015, 69-70, 207-216.	1.3	1
30	Method of potentials in elastostatics of solids with double porosity. International Journal of Engineering Science, 2015, 88, 118-127.	2.7	24
31	Deformation of thin chiral plates in strain gradient elasticity. European Journal of Mechanics, A/Solids, 2014, 44, 212-221.	2.1	7
32	On a Theory of Thermoelastic Materials with a Double Porosity Structure. Journal of Thermal Stresses, 2014, 37, 1017-1036.	1.1	99
33	Fundamental solutions for chiral solids in gradient elasticity. Mechanics Research Communications, 2014, 61, 47-52.	1.0	3
34	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
35	Non-linear deformations of porous elastic solids. International Journal of Non-Linear Mechanics, 2013, 49, 57-65.	1.4	9
36	On the torsion of chiral bars in gradient elasticity. International Journal of Solids and Structures, 2013, 50, 588-594.	1.3	7

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37	Deformation of chiral rods in the strain gradient theory of thermoelasticity. European Journal of Mechanics, A/Solids, 2013, 37, 351-360.	2.1	3
38	On a strain gradient theory of thermoviscoelasticity. Mechanics Research Communications, 2013, 48, 52-58.	1.0	17
39	Thermal Effects in Anisotropic Porous Elastic Rods. Journal of Thermal Stresses, 2013, 36, 364-377.	1.1	4
40	A Theory of Chiral Cosserat Elastic Plates. Journal of Elasticity, 2013, 111, 245-263.	0.9	10
41	On the torsion of inhomogeneous and anisotropic bars. Mathematics and Mechanics of Solids, 2012, 17, 848-859.	1.5	2
42	Two-dimensional heat conduction in thermodynamics of continua with microtemperature distributions. International Journal of Thermal Sciences, 2012, 55, 48-59.	2.6	3
43	On a Theory of Thermoviscoelastic Mixtures. Journal of Thermal Stresses, 2011, 34, 228-243.	1.1	14
44	Thermal Stresses in Chiral Elastic Beams. Journal of Thermal Stresses, 2011, 34, 458-487.	1.1	4
45	On the grade consistent theories of micromorphic elastic solids. AIP Conference Proceedings, 2011, , .	0.3	4
46	Micromorphic elastic solids with initial stresses and initial heat flux. International Journal of Engineering Science, 2011, 49, 1350-1356.	2.7	8
47	On a Theory of Thermoviscoelastic Materials with Voids. Journal of Elasticity, 2011, 104, 369-384.	0.9	70
48	Deformation of porous Cosserat elastic bars. International Journal of Solids and Structures, 2011, 48, 573-583.	1.3	13
49	Pressure vessel problem for chiral elastic tubes. International Journal of Engineering Science, 2011, 49, 411-419.	2.7	7
50	Prestressed composites modelled as interacting solid continua. Nonlinear Analysis: Real World Applications, 2011, 12, 513-524.	0.9	2
51	On a Theory of Thermoviscoelastic Materials with Voids. , 2011, , 369-384.		3
52	On the grade consistent theories of micromorphic elastic solids. AIP Conference Proceedings, 2011, , .	0.3	0
53	Plane deformation of elastic bodies with microtemperatures. Mechanics Research Communications, 2010, 37, 617-621.	1.0	14
54	Chiral effects in uniformly loaded rods. Journal of the Mechanics and Physics of Solids, 2010, 58, 1272-1285.	2.3	15

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55	Torsion of chiral Cosserat elastic rods. European Journal of Mechanics, A/Solids, 2010, 29, 990-997.	2.1	2
56	Thermal effects in chiral elastic rods. International Journal of Thermal Sciences, 2010, 49, 1593-1599.	2.6	4
57	Singular Surfaces in the Theory of Thermoelasticity with Microtemperatures. Journal of Thermal Stresses, 2009, 32, 1279-1292.	1.1	9
58	Binary Mixtures of Elastic Solids with Microstructure. Mathematics and Mechanics of Solids, 2009, 14, 564-586.	1.5	2
59	Porous elastic beams reinforced by longitudinal rods. Zeitschrift Fur Angewandte Mathematik Und Physik, 2009, 60, 1156-1177.	0.7	3
60	On thermoelastic bodies with inner structure and microtemperatures. Journal of Mathematical Analysis and Applications, 2009, 354, 12-23.	0.5	104
61	On the bending of piezoelectric plates with microstructure. Acta Mechanica, 2008, 198, 191-208.	1.1	8
62	A theory of prestressed thermoelastic Cosserat continua. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2008, 88, 306-319.	0.9	4
63	On the Theory of Viscoelastic Mixtures and Stability. Mathematics and Mechanics of Solids, 2008, 13, 55-80.	1.5	32
64	Thermo-Elastic Deformation of Porous Cosserat Beams. Journal of Thermal Stresses, 2008, 31, 823-847.	1.1	1
65	Thermopiezoelectricity without energy dissipation. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2008, 464, 631-657.	1.0	28
66	A Theory of Porous Thermoviscoelastic Mixtures. Journal of Thermal Stresses, 2007, 30, 693-714.	1.1	46
67	Thermal Stresses in Inhomogeneous Porous Elastic Cylinders. Journal of Thermal Stresses, 2007, 30, 145-164.	1.1	7
68	A Theory of Thermoviscoelastic Composites Modelled as Interacting Cosserat Continua. Journal of Thermal Stresses, 2007, 30, 1269-1289.	1.1	23
69	On the deformation of inhomogeneous orthotropic elastic cylinders. European Journal of Mechanics, A/Solids, 2007, 26, 999-1015.	2.1	16
70	Thermoelasticity of bodies with microstructure and microtemperatures. International Journal of Solids and Structures, 2007, 44, 8648-8662.	1.3	101
71	Some theorems in the theory of microstretch thermopiezoelectricity. International Journal of Engineering Science, 2007, 45, 1-16.	2.7	27
72	On the theory of loaded inhomogeneous cylinders. Mechanics Research Communications, 2007, 34, 136-144.	1.0	2

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73	On the Deformation of Functionally Graded Porous Elastic Cylinders. Journal of Elasticity, 2007, 87, 147-159.	0.9	16
74	Nonlinear Plane Strain of Elastic Materials with Voids. Mathematics and Mechanics of Solids, 2006, 11, 361-384.	1.5	22
75	Method of complex potentials in linear microstretch elasticity. International Journal of Engineering Science, 2006, 44, 797-806.	2.7	3
76	Propagation of singular surfaces in thermo-microstretch continua with memory. International Journal of Engineering Science, 2006, 44, 845-858.	2.7	2
77	On the microstretch piezoelectricity. International Journal of Engineering Science, 2006, 44, 819-829.	2.7	22
78	Continuous dependence in a nonlinear theory of viscoelastic porous mixtures. International Journal of Engineering Science, 2006, 44, 1127-1145.	2.7	14
79	On the theory of heat for micromorphic bodies. International Journal of Engineering Science, 2005, 43, 17-32.	2.7	27
80	Thermal stresses in microstretch elastic plates. International Journal of Engineering Science, 2005, 43, 885-907.	2.7	23
81	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
82	ON THE THEORY OF VISCOELASTIC MIXTURES. Journal of Thermal Stresses, 2004, 27, 1125-1148.	1.1	44
83	Thermal Stresses in Plane Strain of Porous Elastic Solids. Meccanica, 2004, 39, 125-138.	1.2	25
84	On the nonlinear theory of interacting micromorphic materials. International Journal of Engineering Science, 2004, 42, 2135-2145.	2.7	5
85	On the plane strain of thermo-microstretch elastic solids. International Journal of Engineering Science, 2004, 42, 1957-1972.	2.7	1
86	Thermoelastic Models of Continua. Solid Mechanics and Its Applications, 2004, , .	0.1	159
87	On complex potentials in the theory of microstretch elastic bodies. International Journal of Engineering Science, 2003, 41, 1989-2003.	2.7	6
88	Axially symmetric problems for a porous elastic solid. International Journal of Solids and Structures, 2003, 40, 5271-5286.	1.3	23
89	ON A THEORY OF INTERACTING CONTINUA WITH MEMORY. Journal of Thermal Stresses, 2002, 25, 1161-1177.	1.1	35
90	On the micromorphic thermoelasticity. International Journal of Engineering Science, 2002, 40, 549-567.	2.7	19

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91	On the theory of heat conduction in micromorphic continua. International Journal of Engineering Science, 2002, 40, 1859-1878.	2.7	25
92	ON A THEORY OF MICROMORPHIC ELASTIC SOLIDS WITH MICROTEMPERATURES. Journal of Thermal Stresses, 2001, 24, 737-752.	1.1	112
93	On the plane strain of microstretch elastic solids. International Journal of Engineering Science, 2001, 39, 1815-1835.	2.7	36
94	Extremum principles and existence results in micromorphic elasticity. International Journal of Engineering Science, 2001, 39, 2051-2070.	2.7	21
95	ON A THEORY OF THERMOELASTICITY WITH MICROTEMPERATURES. Journal of Thermal Stresses, 2000, 23, 199-215.	1.1	129
96	THERMAL STRESSES IN HETEROGENEOUS ELASTIC CYLINDERS WITH MICROSTRUCTURE. Journal of Thermal Stresses, 1999, 22, 371-385.	1.1	0
97	Some Results in the Dynamical Theory of Porous Elastic Bodies. Journal of Elasticity, 1998, 50, 03-14.	0.9	5
98	Some Properties of Solutions in Dynamical Theory of Mixtures. Mathematics and Mechanics of Solids, 1997, 2, 351-360.	1.5	8
99	A THEORY OF MIXTURES WITH DIFFERENT CONSTITUENT TEMPERATURES. Journal of Thermal Stresses, 1997, 20, 147-167.	1.1	29
100	Uniqueness results in the theory of microstretch fluids. International Journal of Engineering Science, 1997, 35, 669-679.	2.7	9
101	On Saint Venant's principle for microstretch elastic bodies. International Journal of Engineering Science, 1997, 35, 1277-1290.	2.7	16
102	Uniqueness Theorems in the Theory of Nonsimple Fluids. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1997, 77, 146-150.	0.9	0
103	Existence theorems in the theory of mixtures. Journal of Elasticity, 1996, 42, 145-163.	0.9	9
104	On the equilibrium theory of microstretch elastic solids. International Journal of Engineering Science, 1995, 33, 399-410.	2.7	64
105	Extension and bending of microstretch elastic circular cylinders. International Journal of Engineering Science, 1995, 33, 1139-1151.	2.7	15
106	On the theory of bubbly fluids. International Journal of Engineering Science, 1995, 33, 1853-1860.	2.7	3
107	Decay estimates and energy bounds for porous elastic cylinders. Zeitschrift Fur Angewandte Mathematik Und Physik, 1995, 46, 268-281.	0.7	25
108	ON THE STABILITY OF MOTIONS OF THERMOELASTIC FLUIDS. Journal of Thermal Stresses, 1994, 17, 409-418.	1.1	4

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109	Existence and continuous dependence results in the theory of interacting continua. Journal of Elasticity, 1994, 36, 85-98.	0.9	37
110	On the theory of mixtures of elastic solids. Journal of Elasticity, 1994, 35, 251-268.	0.9	23
111	Saint-venants problem for microstretch elastic solids. International Journal of Engineering Science, 1994, 32, 229-236.	2.7	25
112	Existence and continuous dependence results in the theory of microstretch elastic bodies. International Journal of Engineering Science, 1994, 32, 991-1001.	2.7	22
113	A theory of mixtures of nonsimple fluids. International Journal of Engineering Science, 1994, 32, 1423-1436.	2.7	2
114	A theory of mixtures of nonsimple elastic solids. International Journal of Engineering Science, 1992, 30, 317-328.	2.7	17
115	ON THE THEORY OF MIXTURES OF THERMOELASTIC SOLIDS. Journal of Thermal Stresses, 1991, 14, 389-408.	1.1	51
116	A THEORY OF THERMOVISCOELAST1C DIELECTRICS. Journal of Thermal Stresses, 1991, 14, 589-606.	1.1	3
117	Reciprocity, uniqueness and minimum principles in the linear theory of piezoelectricity. International Journal of Engineering Science, 1990, 28, 1139-1149.	2.7	22
118	On uniqueness and continuous dependence in nonlinear thermodynamics of electromagnetic materials. Quarterly of Applied Mathematics, 1990, 48, 85-94.	0.5	1
119	On Saint-Venant's problem for elastic dielectrics. Journal of Elasticity, 1989, 21, 101-115.	0.9	10
120	ON SOME THEOREMS IN THERMOPIEZOELECTRICITY. Journal of Thermal Stresses, 1989, 12, 209-223.	1.1	32
121	RECIPROCITY, UNIQUENESS, AND MINIMUM PRINCIPLES IN THE DYNAMIC THEORY OF THERMOELASTICITY. Journal of Thermal Stresses, 1989, 12, 465-481.	1.1	10
122	ON THE NONLINEAR THEORY OF NONSIMPLE THERMOELASTIC BODIES. Journal of Thermal Stresses, 1989, 12, 545-557.	1.1	7
123	THERMOELASTICITY OF INITIALLY HEATED BODIES. Journal of Thermal Stresses, 1988, 11, 17-38.	1.1	6
124	Plane strain problems in piezoelectricity. International Journal of Engineering Science, 1987, 25, 1511-1523.	2.7	11
125	On generalized saint-venant's problems. International Journal of Engineering Science, 1986, 24, 849-858.	2.7	2
126	On Saint-Venant's problem. Archive for Rational Mechanics and Analysis, 1986, 91, 363-373.	1.1	59

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127	On the theory of uniformly loaded cylinders. Journal of Elasticity, 1986, 16, 375-382.	0.9	10
128	A theory of thermoelastic materials with voids. Acta Mechanica, 1986, 60, 67-89.	1.1	363
129	Generalized twist for the torsion of micropolar cylinders. Meccanica, 1986, 21, 94-96.	1.2	3
130	Some theorems in the theory of elastic materials with voids. Journal of Elasticity, 1985, 15, 215-224.	0.9	58
131	THERMAL STRESSES IN HETEROGENEOUS ANISOTROPIC COSSERAT ELASTIC CYLINDERS. Journal of Thermal Stresses, 1985, 8, 385-397.	1.1	7
132	On the crack propagation in micropolar elastic solids. International Journal of Engineering Science, 1984, 22, 547-555.	2.7	1
133	SAINT-VENANTâ€™S PROBLEM IN MICROPOLAR ELASTICITY. , 1982, , 281-393.		2
134	Some applications of micropolar mechanics to earthquake problems. International Journal of Engineering Science, 1981, 19, 855-864.	2.7	16
135	THERMOELASTIC STRESSES IN INITIALLY STRESSED BODIES WITH MICROSTRUCTURE. Journal of Thermal Stresses, 1981, 4, 387-405.	1.1	5
136	THERMAL STRESSES IN COMPOSITE CYLINDERS. Journal of Thermal Stresses, 1980, 3, 495-508.	1.1	51
137	Saint-Venant's problem for composite micropolar elastic cylinders. International Journal of Engineering Science, 1979, 17, 573-586.	2.7	8
138	THERMAL STRESSES IN COMPOSITE COSSERAT ELASTIC CYLINDERS. Journal of Thermal Stresses, 1978, 1, 149-162.	1.1	2
139	Reciprocal theorems and variational theorems in nonlocal elastodynamics. International Journal of Engineering Science, 1977, 15, 693-699.	2.7	8
140	Saint-Venant's problem for heterogeneous anisotropic elastic solids. Annali Di Matematica Pura Ed Applicata, 1976, 108, 149-159.	0.5	4
141	Saint-Venant's problem for inhomogeneous and anisotropic elastic bodies. Journal of Elasticity, 1976, 6, 277-294.	0.9	43
142	Saint-Venant's problem for inhomogeneous bodies. International Journal of Engineering Science, 1976, 14, 353-360.	2.7	4
143	Thermal stresses in micropolar elastic cylinders. Acta Mechanica, 1975, 21, 261-272.	1.1	5
144	Saint-Venant's problem for inhomogeneous and anisotropic solids. Journal of Engineering Mathematics, 1975, 9, 281-290.	0.6	2

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145	Thermal stresses in inhomogeneous elastic cylinders. Mechanics Research Communications, 1975, 2, 125-129.	1.0	0
146	Almansi's problem in micropolar elasticity. International Journal of Engineering Science, 1974, 12, 361-374.	2.7	4
147	On the positive definiteness of the operator of the micropolar elasticity. Journal of Engineering Mathematics, 1974, 8, 107-112.	0.6	7
148	Torsion of Anisotropic Micropolar Elastic Cylinders. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1974, 54, 773-779.	0.9	25
149	A generalized theory of linear micropolar thermoelasticity. Meccanica, 1973, 8, 154-157.	1.2	70
150	On the thermal stresses in beams. Journal of Engineering Mathematics, 1972, 6, 155-163.	0.6	9
151	Torsion of micropolar elastic beams. International Journal of Engineering Science, 1971, 9, 1047-1060.	2.7	41
152	Existence theorems in micropolar elastostatics. International Journal of Engineering Science, 1971, 9, 59-78.	2.7	23
153	On Saint-Venant's problem in micropolar elasticity. International Journal of Engineering Science, 1971, 9, 879-888.	2.7	16
154	Existence theorems in the theory of micropolar elasticity. International Journal of Engineering Science, 1970, 8, 777-791.	2.7	47
155	On the linear coupled thermoelasticity with two temperatures. Zeitschrift Fur Angewandte Mathematik Und Physik, 1970, 21, 583-591.	0.7	65
156	On the linear theory of micropolar elasticity. International Journal of Engineering Science, 1969, 7, 1213-1220.	2.7	37