

# Merab Svanadze

## List of Publications by Year in descending order

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47  
papers

818  
citations

471509

17  
h-index

526287

27  
g-index

48  
all docs

48  
docs citations

48  
times ranked

117  
citing authors

#	ARTICLE	IF	CITATIONS
1	FUNDAMENTAL SOLUTIONS OF THE EQUATIONS OF THE THEORY OF THERMOELASTICITY WITH MICROTEmPERATURES. <i>Journal of Thermal Stresses</i> , 2004, 27, 151-170.	2.0	64
2	Plane waves and vibrations in the theory of micropolar thermoelasticity for materials with voids. <i>European Journal of Mechanics, A/Solids</i> , 2009, 28, 897-903.	3.7	49
3	On the Representations of Solutions of the Theory of Thermoelasticity with Microtemperatures. <i>Journal of Thermal Stresses</i> , 2006, 29, 849-863.	2.0	48
4	Plane Waves and Boundary Value Problems in the Theory of Elasticity for Solids with Double Porosity. <i>Acta Applicandae Mathematicae</i> , 2012, 122, 461.	1.0	46
5	Plane Waves and Uniqueness Theorems in the Coupled Linear Theory of Elasticity for Solids with Double Porosity. <i>Journal of Elasticity</i> , 2014, 114, 55-68.	1.9	44
6	Fundamental Solution in the Theory of Micropolar Thermoelasticity for Materials with Voids. <i>Journal of Thermal Stresses</i> , 2007, 30, 213-229.	2.0	41
7	Basic Theorems in the Equilibrium Theory of Thermoelasticity with Microtemperatures. <i>Journal of Thermal Stresses</i> , 2010, 33, 721-753.	2.0	39
8	Uniqueness theorems in the theory of thermoelasticity for solids with double porosity. <i>Meccanica</i> , 2014, 49, 2099-2108.	2.0	37
9	Fundamental Solutions in the Theory of Thermoelasticity for Solids with Double Porosity. <i>Journal of Thermal Stresses</i> , 2014, 37, 727-748.	2.0	33
10	Mathematical problems in the coupled linear theory of bone poroelasticity. <i>Computers and Mathematics With Applications</i> , 2013, 66, 1554-1566.	2.7	31
11	Uniqueness Theorems in the Quasi-static Theory of Thermoelasticity for Solids with Double Porosity. <i>Journal of Elasticity</i> , 2015, 120, 67-86.	1.9	31
12	Potential Method in the Linear Theory of Thermoelasticity with Microtemperatures. <i>Journal of Thermal Stresses</i> , 2009, 32, 1024-1042.	2.0	25
13	Steady vibration problems in the theory of elasticity for materials with double voids. <i>Acta Mechanica</i> , 2018, 229, 1517-1536.	2.1	23
14	On the theory of viscoelasticity for materials with double porosity. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2014, 19, 2335-2352.	0.9	22
15	Fundamental Solution in the Theory of Micropolar Thermoelasticity without Energy Dissipation. <i>Journal of Thermal Stresses</i> , 2006, 29, 57-66.	2.0	21
16	Dynamical problems of the theory of elasticity for solids with double porosity. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2010, 10, 309-310.	0.2	21
17	Fundamental solutions in the theory of elasticity for triple porosity materials. <i>Meccanica</i> , 2016, 51, 1825-1837.	2.0	21
18	Potential Method in Mathematical Theories of Multi-Porosity Media. <i>Interdisciplinary Applied Mathematics</i> , 2019, , .	0.3	18

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19	Fundamental Solution of the System of Equations of Steady Oscillations in the Theory of Fluid-Saturated Porous Media. <i>Transport in Porous Media</i> , 2004, 56, 39-50.	2.6	17
20	Fundamental solutions in the linear theory of consolidation for elastic solids with double porosity. <i>Journal of Mathematical Sciences</i> , 2013, 195, 258-268.	0.4	16
21	Potential Method in the Theory of Elasticity for Triple Porosity Materials. <i>Journal of Elasticity</i> , 2018, 130, 1-24.	1.9	16
22	Representations of Solutions in the Theory of Thermoelasticity with Microtemperatures for Microstretch Solids. <i>Journal of Thermal Stresses</i> , 2011, 34, 161-178.	2.0	14
23	On the linear theory of double porosity thermoelasticity under local thermal non-equilibrium. <i>Journal of Thermal Stresses</i> , 2019, 42, 890-913.	2.0	13
24	On the linear equilibrium theory of elasticity for materials with triple voids. <i>Quarterly Journal of Mechanics and Applied Mathematics</i> , 2018, 71, 329-348.	1.3	12
25	Steady vibration problems in the coupled linear theory of porous elastic solids. <i>Mathematics and Mechanics of Solids</i> , 2020, 25, 768-790.	2.4	12
26	Plane Waves and Eigenfrequencies in the Linear Theory of Binary Mixtures of Thermoelastic Solids. <i>Journal of Elasticity</i> , 2008, 92, 195-207.	1.9	10
27	Plane Waves, Uniqueness Theorems and Existence of Eigenfrequencies in the Theory of Rigid Bodies with a Double Porosity Structure. , 2016, , 287-306.		10
28	Fundamental solution in the theory of viscoelastic mixtures. <i>Journal of Mechanics of Materials and Structures</i> , 2009, 4, 139-156.	0.6	9
29	The boundary value problems of the full coupled theory of poroelasticity for materials with double porosity. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2012, 12, 279-282.	0.2	9
30	Boundary Integral Equations Method in the Coupled Theory of Thermoelasticity for Porous Materials. , 2019, , .		9
31	Potential method in the coupled theory of elastic double-porosity materials. <i>Acta Mechanica</i> , 2021, 232, 2307-2329.	2.1	8
32	Uniqueness theorems in the equilibrium theory of thermoelasticity with microtemperatures for microstretch solids. <i>Journal of Mechanics of Materials and Structures</i> , 2011, 6, 1295-1311.	0.6	7
33	Fundamental solutions in the linear theory of thermoelasticity for solids with triple porosity. <i>Mathematics and Mechanics of Solids</i> , 2019, 24, 919-938.	2.4	7
34	Boundary value problems in the theory of thermoporoelasticity for materials with double porosity. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2014, 14, 327-328.	0.2	6
35	Potential method in the linear theory of triple porosity thermoelasticity. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 461, 1585-1605.	1.0	6
36	Mathematical Problems in the Theory of Bone Poroelasticity. <i>Biomath</i> , 2012, 1, .	0.7	5

#	ARTICLE	IF	CITATIONS
37	External boundary value problems of steady vibrations in the theory of rigid bodies with a double porosity structure. Proceedings in Applied Mathematics and Mechanics, 2015, 15, 365-366.	0.2	5
38	Boundary Value Problems in the Theory of Thermoelasticity for Triple Porosity Materials. , 2016, , .		4
39	External boundary value problems in the quasi static theory of thermoelasticity for materials with triple voids. Proceedings in Applied Mathematics and Mechanics, 2018, 18, e201800171.	0.2	3
40	On the coupled theory of thermoelastic double-porosity materials. Journal of Thermal Stresses, 2022, 45, 576-596.	2.0	3
41	External boundary value problems in the quasi static theory of triple porosity thermoelasticity. Proceedings in Applied Mathematics and Mechanics, 2017, 17, 471-472.	0.2	2
42	Future Research Perspectives. Interdisciplinary Applied Mathematics, 2019, , 273-282.	0.3	1
43	Boundary value problems of steady vibrations in the theory of thermoelasticity with microtemperatures. Proceedings in Applied Mathematics and Mechanics, 2011, 11, 443-444.	0.2	0
44	External boundary value problems in the quasi static theory of elasticity for triple porosity materials. Proceedings in Applied Mathematics and Mechanics, 2016, 16, 495-496.	0.2	0
45	PLANE WAVES AND VIBRATIONS IN THE ELASTIC MIXTURES. , 2006, , .		0
46	Galerkin-Type Solutions and Green's Formulas in Elasticity. Interdisciplinary Applied Mathematics, 2019, , 57-82.	0.3	0
47	Fundamental Solutions in Elasticity. Interdisciplinary Applied Mathematics, 2019, , 25-56.	0.3	0