

Panos A Gourgiotis

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

651
citations

623574

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26
all docs

26
docs citations

26
times ranked

266
citing authors

#	ARTICLE	IF	CITATIONS
1	Plane-strain crack problems in microstructured solids governed by dipolar gradient elasticity. <i>Journal of the Mechanics and Physics of Solids</i> , 2009, 57, 1898-1920.	2.3	88
2	Some basic contact problems in couple stress elasticity. <i>International Journal of Solids and Structures</i> , 2014, 51, 2084-2095.	1.3	55
3	An approach based on distributed dislocations and disclinations for crack problems in couple-stress elasticity. <i>International Journal of Solids and Structures</i> , 2008, 45, 5521-5539.	1.3	54
4	On the reflection of waves in half-spaces of microstructured materials governed by dipolar gradient elasticity. <i>Wave Motion</i> , 2013, 50, 437-455.	1.0	53
5	The Hertz contact problem in couple-stress elasticity. <i>International Journal of Solids and Structures</i> , 2019, 168, 228-237.	1.3	46
6	Torsional and SH surface waves in an isotropic and homogenous elastic half-space characterized by the Toupin-Mindlin gradient theory. <i>International Journal of Solids and Structures</i> , 2015, 62, 217-228.	1.3	44
7	Steady-state propagation of a mode II crack in couple stress elasticity. <i>International Journal of Fracture</i> , 2014, 188, 119-145.	1.1	35
8	Stress channelling in extreme couple-stress materials Part I: Strong ellipticity, wave propagation, ellipticity, and discontinuity relations. <i>Journal of the Mechanics and Physics of Solids</i> , 2016, 88, 150-168.	2.3	35
9	A contact problem in couple stress thermoelasticity: The indentation by a hot flat punch. <i>International Journal of Solids and Structures</i> , 2015, 63, 226-239.	1.3	32
10	Two-dimensional indentation of microstructured solids characterized by couple-stress elasticity. <i>Journal of Strain Analysis for Engineering Design</i> , 2016, 51, 318-331.	1.0	32
11	The problem of sharp notch in couple-stress elasticity. <i>International Journal of Solids and Structures</i> , 2011, 48, 2630-2641.	1.3	25
12	Folding and faulting of an elastic continuum. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20160018.	1.0	25
13	The problem of sharp notch in microstructured solids governed by dipolar gradient elasticity. <i>International Journal of Fracture</i> , 2010, 166, 179-201.	1.1	23
14	Stress channelling in extreme couple-stress materials Part II: Localized folding vs faulting of a continuum in single and cross geometries. <i>Journal of the Mechanics and Physics of Solids</i> , 2016, 88, 169-185.	2.3	18
15	Couple-stress effects for the problem of a crack under concentrated shear loading. <i>Mathematics and Mechanics of Solids</i> , 2012, 17, 433-459.	1.5	15
16	The Boussinesq problem in dipolar gradient elasticity. <i>Archive of Applied Mechanics</i> , 2014, 84, 1373-1391.	1.2	12
17	The dynamics of folding instability in a constrained Cosserat medium. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160159.	1.6	12
18	Finite element simulation of a gradient elastic half-space subjected to thermal shock on the boundary. <i>Applied Mathematical Modelling</i> , 2016, 40, 10181-10198.	2.2	11

#	ARTICLE	IF	CITATIONS
19	The Cerruti problem in dipolar gradient elasticity. <i>Mathematics and Mechanics of Solids</i> , 2015, 20, 1088-1106.	1.5	10
20	Size effects in two-dimensional layered materials modeled by couple stress elasticity. <i>Frontiers of Structural and Civil Engineering</i> , 2021, 15, 425-443.	1.2	9
21	Interaction of shear cracks in microstructured materials modeled by couple-stress elasticity. <i>Journal of Mechanics of Materials and Structures</i> , 2018, 13, 401-419.	0.4	5
22	Microstructural effects on the response of a multi-layered elastic substrate. <i>International Journal of Solids and Structures</i> , 2022, 241, 111394.	1.3	5
23	Shear crack growth in brittle materials modeled by constrained Cosserat elasticity. <i>Journal of the European Ceramic Society</i> , 2018, 38, 3025-3036.	2.8	4
24	Rapid sliding motion of a rigid frictionless indenter with a flat base over a thermoelastic half-space. <i>Archive of Applied Mechanics</i> , 2012, 82, 1481-1495.	1.2	2
25	Contact Mechanics in the Framework of Couple Stress Elasticity. <i>Advanced Structured Materials</i> , 2018, , 279-306.	0.3	1