

Athanasios Zisis

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

609
citations

840585

11
h-index

580701

25
g-index

28
all docs

28
docs citations

28
times ranked

372
citing authors

#	ARTICLE	IF	CITATIONS
1	Flow of Bingham plastics in a lid-driven square cavity. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2001, 101, 173-180.	1.0	118
2	Viscoplastic flow around a cylinder kept between parallel plates. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2002, 105, 1-20.	1.0	70
3	Some basic contact problems in couple stress elasticity. <i>International Journal of Solids and Structures</i> , 2014, 51, 2084-2095.	1.3	55
4	The Hertz contact problem in couple-stress elasticity. <i>International Journal of Solids and Structures</i> , 2019, 168, 228-237.	1.3	46
5	Capillary flow of low-density polyethylene. <i>Polymer Engineering and Science</i> , 2012, 52, 649-662.	1.5	44
6	The erosion of EB-PVD thermal barrier coatings: The competition between mechanisms. <i>Wear</i> , 2010, 268, 1214-1224.	1.5	38
7	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
8	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
9	The elastic-plastic indentation response of a columnar thermal barrier coating. <i>Wear</i> , 2010, 268, 443-454.	1.5	29
10	Analysis of Knoop indentation. <i>International Journal of Solids and Structures</i> , 2011, 48, 175-190.	1.3	21
11	Analysis of Knoop indentation strain hardening effects. <i>International Journal of Solids and Structures</i> , 2011, 48, 3217-3231.	1.3	12
12	Analysis of Knoop indentation of cohesive frictional materials. <i>Mechanics of Materials</i> , 2013, 57, 53-74.	1.7	12
13	Anti-plane loading of microstructured materials in the context of couple stress theory of elasticity: half-planes and layers. <i>Archive of Applied Mechanics</i> , 2018, 88, 97-110.	1.2	12
14	Uniformly moving antiplane crack in flexoelectric materials. <i>European Journal of Mechanics, A/Solids</i> , 2021, 85, 104136.	2.1	11
15	Uniformly moving screw dislocation in flexoelectric materials. <i>European Journal of Mechanics, A/Solids</i> , 2019, 78, 103843.	2.1	10
16	The adhesive contact of a flat punch on a hyperelastic substrate subject to a pull-out force or a bending moment. <i>Mechanics of Materials</i> , 2011, 43, 1-24.	1.7	9
17	Mechanisms of elastodynamic erosion of electron-beam thermal barrier coatings. <i>International Journal of Materials Research</i> , 2007, 98, 1196-1202.	0.1	8
18	Analysis of the Tilted Shallow Wedge Problem in Couple-Stress Elasticity. <i>Journal of Elasticity</i> , 2021, 144, 205-221.	0.9	8

#	ARTICLE	IF	CITATIONS
19	Entry flows of polylactides with slip. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2014, 210, 78-84.	1.0	7
20	Burmister's problem extended to a microstructured layer. <i>Journal of Mechanics of Materials and Structures</i> , 2018, 13, 203-223.	0.4	7
21	Steady-state antiplane crack considering the flexoelectrics effect: surface waves and flexoelectric metamaterials. <i>Archive of Applied Mechanics</i> , 2021, 91, 713-738.	1.2	7
22	Criticality qualification of a new Monte Carlo code for reactor core analysis. <i>Annals of Nuclear Energy</i> , 2009, 36, 1689-1693.	0.9	6
23	Cylindrical indentation in micropolar elasticity. <i>Applied Mathematical Modelling</i> , 2022, 104, 373-385.	2.2	5
24	A straightforward approach to Eringen's nonlocal elasticity stress model and applications for nanobeams. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	4
25	Methods and Instruments for Assessing the in-Core Gamma Heating of Materials. <i>IEEE Transactions on Nuclear Science</i> , 2010, 57, 837-847.	1.2	3
26	Wedge indentation of elastic-plastic layered substrates: Designing against contact-induced plasticity. <i>Computational Materials Science</i> , 2009, 47, 275-285.	1.4	2
27	Contact Mechanics in the Framework of Couple Stress Elasticity. <i>Advanced Structured Materials</i> , 2018, , 279-306.	0.3	1
28	Modeling of Paste Extrusion in Semi-Solid State. <i>International Journal of Material Forming</i> , 2008, 1, 771-774.	0.9	0