

# Andreas N Alexandrou

## List of Publications by Year in descending order

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28  
papers

815  
citations

567281

15  
h-index

642732

23  
g-index

29  
all docs

29  
docs citations

29  
times ranked

537  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the determination of yield surfaces in Herschel-Bulkley fluids. <i>Journal of Rheology</i> , 1999, 43, 463-483.	2.6	152
2	Steady Herschel-Bulkley fluid flow in three-dimensional expansions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2001, 100, 77-96.	2.4	103
3	Thixotropic rheology of semisolid metal suspensions. <i>Journal of Materials Processing Technology</i> , 2001, 110, 164-176.	6.3	70
4	Solution of the square lid-driven cavity flow of a Bingham plastic using the finite volume method. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013, 195, 19-31.	2.4	62
5	Flow development of Herschel-Bulkley fluids in a sudden three-dimensional square expansion. <i>Journal of Rheology</i> , 1999, 43, 485-498.	2.6	58
6	Performance of the finite volume method in solving regularised Bingham flows: Inertia effects in the lid-driven cavity flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2014, 208-209, 88-107.	2.4	47
7	Inertial, viscous and yield stress effects in Bingham fluid filling of a 2-D cavity. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2001, 96, 383-403.	2.4	44
8	Flow instabilities of Herschel-Bulkley fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2003, 116, 19-32.	2.4	42
9	On the steady-state advancement of fingers and bubbles in a Hele-Shaw cell filled by a non-Newtonian fluid. <i>European Journal of Applied Mathematics</i> , 1997, 8, 73-87.	2.9	36
10	Shear rejuvenation, aging and shear banding in yield stress fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 158, 6-17.	2.4	28
11	Thixotropic flow past a cylinder. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 220, 44-56.	2.4	27
12	On the early breakdown of semisolid suspensions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2007, 142, 199-206.	2.4	22
13	Cessation of the lid-driven cavity flow of Newtonian and Bingham fluids. <i>Rheologica Acta</i> , 2016, 55, 51-66.	2.4	22
14	A two-dimensional numerical study of the stick-slip extrusion instability. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2007, 146, 30-44.	2.4	20
15	Squeeze flow of semi-solid slurries. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013, 193, 103-115.	2.4	20
16	An inverse finite element method for directly formulated free boundary problems. <i>International Journal for Numerical Methods in Engineering</i> , 1989, 28, 2383-2396.	2.8	13
17	Thermoeconomic Modeling and Parametric Study of a Photovoltaic-Assisted 1 MWe Combined Cooling, Heating, and Power System. <i>Energies</i> , 2016, 9, 663.	3.1	12
18	Compression molding using a generalized eulerian-lagrangian formulation with automatic remeshing. <i>Advances in Polymer Technology</i> , 1992, 11, 203-211.	1.7	11

#	ARTICLE	IF	CITATIONS
19	Injection molding using a generalized eulerian lagrangian formulation. Polymer Engineering and Science, 1993, 33, 1055-1064.	3.1	9
20	Start-up plane Poiseuille flow of a Bingham fluid. Journal of Non-Newtonian Fluid Mechanics, 2019, 265, 133-139.	2.4	7
21	Determining true material constants of viscoplastic materials from rotational rheometer data. Journal of Non-Newtonian Fluid Mechanics, 2018, 260, 101-108.	2.4	6
22	Parameter Estimation for Semi-Solid Aluminum Alloys Using Transient Experiments. Solid State Phenomena, 2006, 116-117, 429-432.	0.3	2
23	Squeeze Flow of Semi-Solid Slurries. Solid State Phenomena, 2012, 192-193, 263-268.	0.3	1
24	Squeeze Flow of Thixotropic Semisolid Slurries. Solid State Phenomena, 0, 217-218, 121-129.	0.3	1
25	The use of generalized eulerian lagrangian formulations in composite materials processing. Advances in Polymer Technology, 1994, 13, 121-132.	1.7	0
26	Predictions of Structure Breakdown, Buildup and Shear Banding in Semisolid Suspensions. Solid State Phenomena, 2008, 141-143, 313-318.	0.3	0
27	Viscoplastic fluids: from theory to application (VPF2009), Limassol, Cyprus, 14-15 November, 2009. Rheologica Acta, 2011, 50, 303-306.	2.4	0
28	Preface to Special Issue: Papers from HSR 2017 8th International Meeting of the Hellenic Society of Rheology, Limassol, Cyprus, July 12-14, 2017. Physics of Fluids, 2018, 30, 030501.	4.0	0