

# Andreas N Alexandrou

## List of Publications by Year in descending order

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28  
papers

815  
citations

567281

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h-index

642732

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29  
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29  
docs citations

29  
times ranked

537  
citing authors

#	ARTICLE	IF	CITATIONS
1	Start-up plane Poiseuille flow of a Bingham fluid. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2019, 265, 133-139.	2.4	7
2	Preface to Special Issue: Papers from HSR 2017“8th International Meeting of the Hellenic Society of Rheology, Limassol, Cyprus, July 12“14, 2017. <i>Physics of Fluids</i> , 2018, 30, 030501.	4.0	0
3	Determining true material constants of viscoplastic materials from rotational rheometer data. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2018, 260, 101-108.	2.4	6
4	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
5	Cessation of the lid-driven cavity flow of Newtonian and Bingham fluids. <i>Rheologica Acta</i> , 2016, 55, 51-66.	2.4	22
6	Thixotropic flow past a cylinder. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 220, 44-56.	2.4	27
7	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
8	Squeeze flow of semi-solid slurries. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013, 193, 103-115.	2.4	20
9	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
10	Squeeze Flow of Semi-Solid Slurries. <i>Solid State Phenomena</i> , 2012, 192-193, 263-268.	0.3	1
11	Viscoplastic fluids: from theory to application (VPF2009), Limassol, Cyprus, 1“5 November, 2009. <i>Rheologica Acta</i> , 2011, 50, 303-306.	2.4	0
12	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
13	Predictions of Structure Breakdown, Buildup and Shear Banding in Semisolid Suspensions. <i>Solid State Phenomena</i> , 2008, 141-143, 313-318.	0.3	0
14	On the early breakdown of semisolid suspensions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2007, 142, 199-206.	2.4	22
15	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
16	Parameter Estimation for Semi-Solid Aluminum Alloys Using Transient Experiments. <i>Solid State Phenomena</i> , 2006, 116-117, 429-432.	0.3	2
17	Flow instabilities of Herschel“Bulkley fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2003, 116, 19-32.	2.4	42
18	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

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19	Steady Herschel-Bulkley fluid flow in three-dimensional expansions. Journal of Non-Newtonian Fluid Mechanics, 2001, 100, 77-96.	2.4	103
20	Thixotropic rheology of semisolid metal suspensions. Journal of Materials Processing Technology, 2001, 110, 164-176.	6.3	70
21	On the determination of yield surfaces in Herschel-Bulkley fluids. Journal of Rheology, 1999, 43, 463-483.	2.6	152
22	Flow development of Herschel-Bulkley fluids in a sudden three-dimensional square expansion. Journal of Rheology, 1999, 43, 485-498.	2.6	58
23	On the steady-state advancement of fingers and bubbles in a Hele-Shaw cell filled by a non-Newtonian fluid. European Journal of Applied Mathematics, 1997, 8, 73-87.	2.9	36
24	The use of generalized eulerian-lagrangian formulations in composite materials processing. Advances in Polymer Technology, 1994, 13, 121-132.	1.7	0
25	Injection molding using a generalized eulerian lagrangian formulation. Polymer Engineering and Science, 1993, 33, 1055-1064.	3.1	9
26	Compression molding using a generalized eulerian-lagrangian formulation with automatic remeshing. Advances in Polymer Technology, 1992, 11, 203-211.	1.7	11
27	An inverse finite element method for directly formulated free boundary problems. International Journal for Numerical Methods in Engineering, 1989, 28, 2383-2396.	2.8	13
28	Squeeze Flow of Thixotropic Semisolid Slurries. Solid State Phenomena, 0, 217-218, 121-129.	0.3	1