

Christel MÃ©tivier

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

368
citations

758635

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794141

19
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21
all docs

21
docs citations

21
times ranked

271
citing authors

#	ARTICLE	IF	CITATIONS
1	Rayleigh-BÃ©nard convection for viscoplastic fluids. <i>Physics of Fluids</i> , 2013, 25, .	1.6	44
2	Rayleigh-BÃ©nard convection of Casson fluids. <i>International Journal of Thermal Sciences</i> , 2018, 127, 79-90.	2.6	43
3	Non-incremental transient solution of the Rayleigh-BÃ©nard convection model by using the PGD. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013, 200, 65-78.	1.0	37
4	Linear stability involving the Bingham model when the yield stress approaches zero. <i>Physics of Fluids</i> , 2005, 17, 104106.	1.6	34
5	Natural convection in shear-thinning fluids: Experimental investigations by MRI. <i>International Journal of Heat and Mass Transfer</i> , 2016, 95, 742-754.	2.5	32
6	Weakly nonlinear analysis of Rayleigh-BÃ©nard convection in shear-thinning fluids: nature of the bifurcation and pattern selection. <i>Journal of Fluid Mechanics</i> , 2015, 767, 696-734.	1.4	27
7	On linear stability of Rayleigh-BÃ©nard Poiseuille flow of viscoplastic fluids. <i>Physics of Fluids</i> , 2008, 20, .	1.6	21
8	The effect of wall slip on the stability of the Rayleigh-BÃ©nard Poiseuille flow of viscoplastic fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2011, 166, 839-846.	1.0	19
9	Origin of the onset of Rayleigh-BÃ©nard convection in a concentrated suspension of microgels with a yield stress behavior. <i>Physics of Fluids</i> , 2017, 29, .	1.6	19
10	Linear stability of the Rayleigh-BÃ©nard Poiseuille flow for thermodependent viscoplastic fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 163, 1-8.	1.0	14
11	Weakly nonlinear dynamics of thermoconvective instability involving viscoplastic fluids. <i>Journal of Fluid Mechanics</i> , 2010, 660, 316-353.	1.4	14
12	Natural convection in shear-thinning yield stress fluids in a square enclosure. <i>AIChE Journal</i> , 2016, 62, 1347-1355.	1.8	13
13	Stability of a Rayleigh-BÃ©nard Poiseuille flow for yield stress fluids - Comparison between Bingham and regularized models. <i>International Journal of Non-Linear Mechanics</i> , 2011, 46, 1205-1212.	1.4	9
14	Oscillatory Rayleigh-BÃ©nard Convection in elasto-viscoplastic gels. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2020, 286, 104428.	1.0	9
15	Natural convection of Casson fluid in a square enclosure. <i>Multidiscipline Modeling in Materials and Structures</i> , 2020, 16, 1245-1259.	0.6	8
16	MRI temperature and velocity measurements in a fluid layer with heat transfer. <i>Experiments in Fluids</i> , 2018, 59, 1.	1.1	7
17	Nonlinear stability of the Bingham Rayleigh-BÃ©nard Poiseuille flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 158, 127-131.	1.0	5
18	Thermo-physical characterization of Hexadecane during the solid/liquid phase change. <i>Thermochimica Acta</i> , 2022, 710, 179180.	1.2	5

#	ARTICLE	IF	CITATIONS
19	Stability of hexagonal pattern in Rayleigh-Bénard convection for thermodependent shear-thinning fluids. <i>Journal of Fluid Mechanics</i> , 2020, 905, .	1.4	4
20	Instabilities of convection patterns in a shear-thinning fluid between plates of finite conductivity. <i>Physical Review E</i> , 2017, 96, 043109.	0.8	2
21	Natural convection in phase change material: Experimental study. <i>International Journal of Heat and Mass Transfer</i> , 2022, 183, 122047.	2.5	2