

Brian G Higgins

List of Publications by Year in descending order

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19
papers

846
citations

759233

12
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

521
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear stability of plane Poiseuille flow of two superposed fluids. <i>Physics of Fluids</i> , 1988, 31, 3225.	1.4	239
2	Film flow on a rotating disk. <i>Physics of Fluids</i> , 1986, 29, 3522.	1.4	105
3	Rayleigh-Taylor instability in thin viscous films. <i>Physics of Fluids A, Fluid Dynamics</i> , 1989, 1, 1484-1501.	1.6	94
4	The effects of inertia and interfacial shear on film flow on a rotating disk. <i>Physics of Fluids</i> , 1988, 31, 1360.	1.4	65
5	Langmuir-blodgett multilayers of polymer-merocyanine-dye mixtures. <i>Thin Solid Films</i> , 1987, 146, 209-220.	1.8	59
6	Marangoni flows during drying of colloidal films. <i>Physics of Fluids</i> , 2006, 18, 082103.	4.0	56
7	Future applications of ordered polymeric thin films. <i>Thin Solid Films</i> , 1987, 152, 377-403.	1.8	47
8	A mechanism of Marangoni instability in evaporating thin liquid films due to soluble surfactant. <i>Physics of Fluids</i> , 2010, 22, .	4.0	34
9	Numerical solution of eigenvalue problems using the compound matrix method. <i>Journal of Computational Physics</i> , 1988, 74, 25-40.	3.8	33
10	Stability of sliding Couette-Poiseuille flow in an annulus subject to axisymmetric and asymmetric disturbances. <i>Physics of Fluids A, Fluid Dynamics</i> , 1991, 3, 2092-2104.	1.6	23
11	Surface tension of a curing epoxy. <i>Journal of Polymer Science Part A</i> , 1988, 26, 1985-1988.	2.3	20
12	Optically Nonlinear Films of Amphiphilic Polymers: Synthesis, Langmuir-Blodgett Deposition, and Optical Measurements. <i>Materials Research Society Symposia Proceedings</i> , 1987, 109, 351.	0.1	14
13	On-line diagnostics for Langmuir-Blodgett film growth. <i>Thin Solid Films</i> , 1985, 134, 209-216.	1.8	10
14	Monitoring the initial phase of a slow curing epoxy through the dynamic viscoelastic properties. <i>Polymer Engineering and Science</i> , 1986, 26, 1563-1567.	3.1	9
15	Fluctuating flow with mass transfer induced by a rotating disk electrode with a superimposed time-periodic modulation. <i>Physics of Fluids A, Fluid Dynamics</i> , 1990, 2, 167-177.	1.6	9
16	Downstream development of two-dimensional viscocapillary film flow. <i>Industrial & Engineering Chemistry Fundamentals</i> , 1982, 21, 168-173.	0.7	7
17	Analysis of superposed fluids by the finite element method: Linear stability and flow development. <i>International Journal for Numerical Methods in Fluids</i> , 1987, 7, 247-261.	1.6	7
18	A Simple Method for Tracking Turning Points in Parameter Space. <i>Journal of Chemical Engineering of Japan</i> , 2010, 43, 1035-1042.	0.6	5

#	ARTICLE	IF	CITATIONS
19	Local, global, and elementary stoichiometry. AIChE Journal, 2012, 58, 538-552.	3.6	0