Brian G Higgins

List of Publications by Year
in descending order

		759233	794594
19 papers	846 citations	12 h-index	19 g-index
20 all docs	20 docs citations	20 times ranked	521 citing authors

#	Article	IF	Citations
1	Local, global, and elementary stoichiometry. AICHE Journal, 2012, 58, 538-552.	3.6	0
2	A Simple Method for Tracking Turning Points in Parameter Space. Journal of Chemical Engineering of Japan, 2010, 43, 1035-1042.	0.6	5
3	A mechanism of Marangoni instability in evaporating thin liquid films due to soluble surfactant. Physics of Fluids, 2010, 22, .	4.0	34
4	Marangoni flows during drying of colloidal films. Physics of Fluids, 2006, 18, 082103.	4.0	56
5	Stability of sliding Couetteâ€"Poiseuille flow in an annulus subject to axisymmetric and asymmetric disturbances. Physics of Fluids A, Fluid Dynamics, 1991, 3, 2092-2104.	1.6	23
6	Fluctuating flow with mass transfer induced by a rotating disk electrode with a superimposed timeâ€periodic modulation. Physics of Fluids A, Fluid Dynamics, 1990, 2, 167-177.	1.6	9
7	Rayleighâ€"Taylor instability in thin viscous films. Physics of Fluids A, Fluid Dynamics, 1989, 1, 1484-1501.	1.6	94
8	Surface tension of a curing epoxy. Journal of Polymer Science Part A, 1988, 26, 1985-1988.	2.3	20
9	Numerical solution of eigenvalue problems using the compound matrix method. Journal of Computational Physics, 1988, 74, 25-40.	3.8	33
10	Linear stability of plane Poiseuille flow of two superposed fluids. Physics of Fluids, 1988, 31, 3225.	1.4	239
11	The effects of inertia and interfacial shear on film flow on a rotating disk. Physics of Fluids, 1988, 31, 1360.	1.4	65
12	Optically Nonlinear Films of Amphiphilic Polymers: Synthesis, Langmuir-Blodgett Deposition, and Optical Measurements. Materials Research Society Symposia Proceedings, 1987, 109, 351.	0.1	14
13	Analysis of superposed fluids by the finite element method: Linear stability and flow development. International Journal for Numerical Methods in Fluids, 1987, 7, 247-261.	1.6	7
14	Langmuir-blodgett multilayers of polymer-merocyanine-dye mixtures. Thin Solid Films, 1987, 146, 209-220.	1.8	59
15	Future applications of ordered polymeric thin films. Thin Solid Films, 1987, 152, 377-403.	1.8	47
16	Film flow on a rotating disk. Physics of Fluids, 1986, 29, 3522.	1.4	105
17	Monitoring the initial phase of a slow curing epoxy through the dynamic viscoelastic properties. Polymer Engineering and Science, 1986, 26, 1563-1567.	3.1	9
18	On-line diagnostics for Langmuir-Blodgett film growth. Thin Solid Films, 1985, 134, 209-216.	1.8	10

#	Article	IF	Citations
19	Downstream development of two-dimensional viscocapillary film flow. Industrial & Engineering Chemistry Fundamentals, 1982, 21, 168-173.	0.7	7