Thomas R Blake

List of Publications by Year
in descending order

24 papers	459 citations	1040056 9 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	220 citing authors

#	Article	IF	Citations
1	Assessment of fractional collection efficiency in louvered inertial particle classifiers. Powder Technology, 2017, 311, 432-438.	4.2	4
2	Low reynolds number combustion of a spherical carbon particle. Combustion and Flame, 2002, 129, 87-111.	5.2	10
3	Mass entrainment, momentum flux, and length of buoyant turbulent gas diffusion flames. Combustion and Flame, 1999, 117, 589-599.	5.2	9
4	Gas jets in fluidized media, turbulent diffusion flames, and condensing vapor jets in liquids. Powder Technology, 1996, 89, 187-195.	4.2	3
5	Similitude and the interpretation of turbulent diffusion flames. Combustion and Flame, 1995, 101, 175-184.	5.2	11
6	An examination of flame length data from vertical turbulent diffusion flames. Combustion and Flame, 1993, 94, 426-432.	5.2	28
7	A theory for fluid transport through interstitial connective tissue. Microvascular Research, 1991, 42, 113-116.	2.5	1
8	Combustion of a spherical carbon particle in slow viscous flow. Combustion and Flame, 1991, 86, 147-161.	5.2	9
9	Computer simulation of isothermal fluidization in large-scale laboratory rigs. AICHE Journal, 1990, 36, 361-369.	3.6	12
10	The nondimensionalization of equations describing fluidization with application to the correlation of jet penetration height. Chemical Engineering Science, 1990, 45, 365-371.	3.8	48
11	A theoretical view of interstitial fluid pressureâ€"Volume measurements. Microvascular Research, 1989, 37, 178-187.	2.5	6
12	A theoretical representation of single bubble motion in a cylindrical gas fluidized bed. Chemical Engineering Science, 1987, 42, 2687-2696.	3.8	1
13	Analysis of transcapillary exchange and intraluminal transport in the microocclusion of single capillaries. Microvascular Research, 1983, 25, 156-175.	2.5	3
14	Analysis of coupled intra- and extraluminal flows for single and multiple capillaries. Mathematical Biosciences, 1982, 59, 173-206.	1.9	29
15	Burning carbon particles in the presence of water vapor. Combustion and Flame, 1981, 41, 123-147.	5.2	115
16	A mathematical model of fluid exchange from an array of capillaries. Microvascular Research, 1980, 19, 80-98.	2.5	3
17	Theoretical study of burning carbon particles. Combustion and Flame, 1979, 36, 139-169.	5.2	124
18	Reply [to â€œComment on â€˜On the species transport equation for flow in porous mediaâ€™ by Thomas R. Blake and Sabodh K. Gargâ€]. Water Resources Research, 1977, 13, 697-697.	4.2	3

#	Article	IF	Citations
19	On the species transport equation for flow in porous media. Water Resources Research, 1976, 12, 748-750.	4.2	20
20	Fluid exchange from a microoccluded capillary with axial variation of filtration parameters1. Biorheology, 1976, 13, 357-366.	0.4	5
21	Thermo-viscoelastic influences on spherical waves in a linear nonconducting solid. Acta Mechanica, 1975, 23, 9-16.	2.1	1
22	The decay of spherical waves in a linear viscoelastic solid. Zeitschrift Fur Angewandte Mathematik Und Physik, 1974, 25, 783-789.	1.4	6
23	On the occluded capillary. Microvascular Research, 1974, 7, 362-375.	2.5	6
24	Plane longitudinal waves of small amplitude in a nonlinear viscoelastic material. Acta Mechanica, 1973, 17, 211-226.	2.1	2