Giles Brereton

List of Publications by Year
in descending order

19	209	1163117 8	996975 15
papers	citations	h-index	g-index

19	19	19	139
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Axial heat-transfer enhancement by flow oscillation for high heat-flux applications. Experiments in Fluids, 2022, 63, .	2.4	0
2	Data-driven prediction of the equivalent sand-grain height in rough-wall turbulent flows. Journal of Fluid Mechanics, 2021, 912, .	3.4	30
3	Effects of surface roughness topography in transient channel flows. Journal of Turbulence, 2021, 22, 434-460.	1.4	5
4	Toward modeling of turbulent flow over surfaces of arbitrary roughness. Physics of Fluids, 2021, 33, 065121.	4.0	7
5	Axial conduction and dissipation in oscillatory laminar pipe flow at low and high frequencies. Physics of Fluids, 2019, 31, .	4.0	6
6	Single-point structure tensors in turbulent channel flows with smooth and wavy walls. Physics of Fluids, 2019, 31, .	4.0	7
7	Turbulence structures over realistic and synthetic wall roughness in open channel flow at Re_{Ï„} = 1000. Journal of Turbulence, 2019, 20, 723-749.	1.4	15
8	Diffusive heat and mass transfer in oscillatory pipe flow. Physics of Fluids, 2017, 29, .	4.0	12
9	Eulerian Model for Prediction of Particle Transport and Deposition in Turbulent Duct Flows with Thermophoresis. Aerosol Science and Technology, 2015, 49, 802-815.	3.1	4
10	Accuracy in Numerical Solution of the Particle Concentration Field in Laminar Wall-Bounded Flows with Thermophoresis and Diffusion. Aerosol Science and Technology, 2014, 48, 957-968.	3.1	2
11	Prospects for Implementation of Thermoelectric Generators as Waste Heat Recovery Systems in Class 8 Truck Applications. Journal of Energy Resources Technology, Transactions of the ASME, 2013, 135, .	2.3	25
12	A Thermophoretic Sherwood Number for Characterizing Submicron-Particle Mass Transfer in Laminar Wall-Bounded Flows. Aerosol Science and Technology, 2013, 47, 634-644.	3.1	2
13	Effects of transients on pulsatile flow in arteries. Biorheology, 2011, 48, 199-217.	0.4	0
14	Approximate behavior of arbitrarily unsteady laminar flow in long, straight, flexible tubes. Physics of Fluids, 2009, 21, .	4.0	3
15	Convective heat transfer in unsteady laminar parallel flows. Physics of Fluids, 2006, 18, 103602.	4.0	17
16	An indirect pressure-gradient technique for measuring instantaneous flow rates in unsteady duct flows. Experiments in Fluids, 2006, 40, 238-244.	2.4	4
17	Exact solutions for some fully developed laminar pipe flows undergoing arbitrary unsteadiness. Physics of Fluids, 2005, 17, 118104.	4.0	19
18	The interdependence of friction, pressure gradient, and flow rate in unsteady laminar parallel flows. Physics of Fluids, 2000, 12, 518-530.	4.0	20

#	Article	IF	Citations
19	Review of Recent Advances in the Study of Unsteady Turbulent Internal Flows. Applied Mechanics Reviews, 1995, 48, 189-212.	10.1	31