Duncan E Farrow

List of Publications by Year
in descending order

29 papers	528 citations	759233 12 h-index	752698 20 g-index
29 all docs	29 docs citations	29 times ranked	473 citing authors

#	Article	IF	Citations
1	A generalized Damköhler number for classifying material processing in hydrological systems. Hydrology and Earth System Sciences, 2013, 17, 1133-1148.	4.9	88
2	On the response of a reservoir sidearm to diurnal heating and cooling. Journal of Fluid Mechanics, 1993, 246, 143-161.	3.4	86
3	A New Tracer Advection Scheme for Bryan and Cox Type Ocean General Circulation Models. Journal of Physical Oceanography, 1995, 25, 1731-1741.	1.7	64
4	The daytime circulation and temperature structure in a reservoir sidearm. International Journal of Heat and Mass Transfer, 1994, 37, 1957-1968.	4.8	43
5	Periodically forced natural convection over slowly varying topography. Journal of Fluid Mechanics, 2004, 508, 1-21.	3.4	43
6	A numerical model for withdrawal from a two-layer fluid. Journal of Fluid Mechanics, 2006, 549, 141.	3.4	43
7	On the stability of the near shore waters of a lake when subject to solar heating. International Journal of Heat and Mass Transfer, 1993, 36, 89-100.	4.8	33
8	An asymptotic model for the hydrodynamics of the thermal bar. Journal of Fluid Mechanics, 1995, 289, 129-140.	3.4	20
9	Further studies of stern wavemaking. Journal of the Australian Mathematical Society Series B Applied Mathematics, 1995, 36, 424-437.	0.2	18
10	A numerical model of the hydrodynamics of the thermal bar. Journal of Fluid Mechanics, 1995, 303, 279-295.	3.4	18
11	Periodically driven circulation near the shore of a lake. Environmental Fluid Mechanics, 2013, 13, 243-255.	1.6	14
12	Numerical modelling of a surface-stress driven density-stratified fluid. Journal of Engineering Mathematics, 2003, 47, 1-16.	1.2	12
13	Coriolis effects and the thermal bar. Journal of Geophysical Research, 2002, 107, 1-1.	3.3	10
14	An intrusion layer in stationary incompressible fluids: Part 1: Periodic waves. European Journal of Applied Mathematics, 2006, 17, 557-575.	2.9	8
15	A model for the evolution of the thermal bar system. European Journal of Applied Mathematics, 2013, 24, 161-177.	2.9	6
16	A Model of the Thermal Bar in the Rotating Frame Including Vertically Non-Uniform Heating. Environmental Fluid Mechanics, 2002, 2, 197-218.	1.6	5
17	A numerical model of periodically forced circulation near the shore of a lake. Environmental Fluid Mechanics, 2016, 16, 983-995.	1.6	4
18	Flow induced by a line sink near a vertical wall in a fluid with a free surface, Part II: finite depth. Journal of Engineering Mathematics, 2022, 134, 1.	1.2	3

#	Article	IF	Citations
19	Revisiting the anomalous shelf water oscillation of Buckles Bay, Macquarie Island. Continental Shelf Research, 2006, 26, 2386-2392.	1.8	2
20	A spectral modelling approach for fluid flow into a line sink in a confined aquifer. European Journal of Applied Mathematics, 0, , 1-22.	2.9	2
21	Modelling of hydrogen diffusion in the retina. ANZIAM Journal, 0, 61, C119-C136.	0.0	2
22	MODELLING HYDROGEN CLEARANCE FROM THE RETINA. ANZIAM Journal, 2018, 59, 281-292.	0.2	1
23	CRITICAL SURFACE CONING DUE TO A LINE SINK IN AÂVERTICAL DRAIN CONTAINING A POROUS MEDIUM. ANZIAM Journal, 2019, 61, 249-269.	0.2	1
24	Flow induced by a line sink near a vertical wall in a fluid with a free surface Part I: infinite depth. Journal of Engineering Mathematics, 2022, 133, 1.	1.2	1
25	Extraction of density-layered fluid from a porous medium. Journal of Engineering Mathematics, 2022, 135, .	1.2	1
26	Instability of a dense seepage layer on a slopingÂboundary. Journal of Fluid Mechanics, 2020, 886, .	3.4	0
27	Thermal Layer Instability in a Shallow Wedge Subject to Solar Radiation. , 2003, , 797-798.		0
28	DISPERSAL OF HYDROGEN IN THE RETINAâ€"A THREE-LAYER MODEL. ANZIAM Journal, 0, , 1-22.	0.2	0
29	Dispersal of hydrogen in the retina â€" a three-layer model. ANZIAM Journal, 0, 64, 1-22.	0.0	0