Henry Burridge

List of Publications by Year
in descending order

23	1,214	687363 13	713466 21
papers	citations	h-index	g-index

24	24	24	1237
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The wood from the trees: The use of timber in construction. Renewable and Sustainable Energy Reviews, 2017, 68, 333-359.	16.4	721
2	Fountains in Industry and Nature. Annual Review of Fluid Mechanics, 2015, 47, 195-220.	25.0	70
3	The rise heights of low- and high-Froude-number turbulent axisymmetric fountains. Journal of Fluid Mechanics, 2012, 691, 392-416.	3.4	58
4	The ventilation of buildings and other mitigating measures for COVID-19: a focus on wintertime. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, 20200855.	2.1	47
5	Seasonal variation in airborne infection risk in schools due to changes in ventilation inferred from monitored carbon dioxide. Indoor Air, 2021, 31, 1154-1163.	4.3	44
6	Questioning the Mpemba effect: hot water does not cool more quickly than cold. Scientific Reports, 2016, 6, 37665.	3.3	42
7	The rhythm of fountains: the length and time scales of rise height fluctuations at low and high Froude numbers. Journal of Fluid Mechanics, 2013, 728, 91-119.	3.4	39
8	Predictive and retrospective modelling of airborne infection risk using monitored carbon dioxide. Indoor and Built Environment, 2022, 31, 1363-1380.	2.8	35
9	The effect of source Reynolds number on the rise height of a fountain. Physics of Fluids, 2015, 27, .	4.0	19
10	Entrainment by turbulent fountains. Journal of Fluid Mechanics, 2016, 790, 407-418.	3.4	19
11	Predicting the pore-filling ratio in lumen-impregnated wood. Wood Science and Technology, 2017, 51, 1277-1290.	3.2	18
12	A comparison of entrainment in turbulent lineÂplumes adjacent to and distant from a verticalÂwall. Journal of Fluid Mechanics, 2020, 882, .	3.4	18
13	Conditional sampling of a high PÃ©clet number turbulent plume and the implications for entrainment. Journal of Fluid Mechanics, 2017, 823, 26-56.	3.4	17
14	Observing the Mpemba effect with minimal bias and the value of the Mpemba effect to scientific outreach and engagement. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20190829.	2.1	13
15	Scaling arguments for the fluxes in turbulent miscible fountains. Journal of Fluid Mechanics, 2014, 744, 273-285.	3.4	11
16	The Fluxes and Behaviour of Plumes Inferred from Measurements of Coherent Structures within Images of the Bulk Flow. Atmosphere - Ocean, 2016, 54, 403-417.	1.6	9
17	Cell geometry across the ring structure of Sitka spruce. Journal of the Royal Society Interface, 2018, 15, 20180144.	3.4	9
18	From free jets to clinging wall jets: The influence of a horizontal boundary on a horizontally forced buoyant jet. Physical Review Fluids, 2017, 2, .	2.5	7

#	Article	IF	Citations
19	The transport of liquids in softwood: timber as a model porous medium. Scientific Reports, 2019, 9, 20282.	3.3	6
20	Vertically distributed wall sources of buoyancy. Part 1. Unconfined. Journal of Fluid Mechanics, 2021, 907, .	3.4	6
21	Natural ventilation flows established by a localised heat source in a room with a doorway and a high-level vent. Building and Environment, 2021, 203, 108093.	6.9	4
22	Vertically distributed wall sources of buoyancy. Part 2. Unventilated and ventilated confined spaces. Journal of Fluid Mechanics, 2021, 907, .	3.4	2
23	Identifying Efficient Transport Pathways in Early-Wood Timber: Insights from 3D X-ray CT Imaging of Softwood in the Presence of Flow. Transport in Porous Media, 2021, 136, 813-830.	2.6	0