James M Buick

List of Publications by Year
in descending order

		1039406	996533
18 papers	**476** citations	**9** h-index	**15** g-index
18 all docs	**18** docs citations	**18** times ranked	**559** citing authors

#	Article	IF	Citations
1	Investigation of Working Fluid Performance through a Centrifugal Compression System. Applied Mechanics, 2022, 3, 815-829.	0.7	0
2	Investigation of hemodynamic markers for stenosis development. Engineering Reports, 2021, 3, e12389.	0.9	3
3	Effect of stenosis growth on blood flow at the bifurcation of the carotid artery. Journal of Computational Science, 2021, 54, 101435.	1.5	5
4	Heat Exchanger Sizing for Organic Rankine Cycle. Energies, 2020, 13, 3615.	1.6	14
5	A 1D mean line model for centrifugal compressors with variable inlet guide vanes. Engineering Reports, 2019, 1, e12027.	0.9	2
6	CFD Modelling of a Centrifugal Compressor with Experimental Validation through Radial Diffuser Static Pressure Measurement. International Journal of Rotating Machinery, 2019, 2019, 1-12.	0.8	9
7	Ensemble SVM for characterisation of crude oil viscosity. Journal of Petroleum Exploration and Production, 2018, 8, 531-546.	1.2	12
8	Hybrid functional networks for oil reservoir PVT characterisation. Expert Systems With Applications, 2017, 87, 363-369.	4.4	22
9	Hybrid functional networks for PVT characterisation. , 2017, , .		0
10	Oil PVT characterisation using ensemble systems. , 2016, , .		2
11	Investigation of non-linear acoustic losses at the open end of a tube. Journal of the Acoustical Society of America, 2011, 129, 1261-1272.	0.5	32
12	Lattice Boltzmann simulation of power-law fluid flow in the mixing section of a single-screw extruder. Chemical Engineering Science, 2009, 64, 52-58.	1.9	27
13	Analysis of the Casson and Carreau-Yasuda non-Newtonian blood models in steady and oscillatory flows using the lattice Boltzmann method. Physics of Fluids, 2007, 19, .	1.6	264
14	Numerical simulation of the flow field in the mixing section of a screw extruder by the lattice Boltzmann model. Chemical Engineering Science, 2006, 61, 3323-3326.	1.9	10
15	Gravity-capillary internal wave simulation using a binary fluid lattice Boltzmann model. Applied Mathematical Modelling, 2004, 28, 183-195.	2.2	11
16	Numerical simulation of particle motion in an ultrasound field using the lattice Boltzmann model. Ultrasonics, 2004, 43, 21-25.	2.1	35
17	Comparison of a lattice Boltzmann simulation of steep internal waves and laboratory measurements using particle image velocimetry. European Journal of Mechanics, B/Fluids, 2003, 22, 27-38.	1.2	5
18	PIV applied to Eckart streaming produced by a medical ultrasound transducer. Ultrasonics, 2001, 39, 461-464.	2.1	23