Murat Ozbulut

List of Publications by Year in Descending Order

16 papers	**160** citations	**6** h-index	**12** g-index
21 ext. papers	**207** ext. citations	**2.8** avg, IF	**3.43** L-index

#	Paper	IF	Citations
16	A generalized hybrid smoothed particle hydrodynamics-peridynamics algorithm with a novel Lagrangian mapping for solution and failure analysis of fluid-structure interaction problems. *Computer Methods in Applied Mechanics and Engineering*, **2022**, 389, 114370	5.7	1
15	An investigation into the nonlinear effects in the roll motion of 2-D bodies by SPH method. *Ocean Engineering*, **2022**, 248, 110679	3.9	
14	Dynamics of double emulsion interfaces under the combined effects of electric field and shear flow. *Computational Mechanics*, **2021**, 68, 775-793	4	1
13	Numerical simulations of multi-phase electro-hydrodynamics flows using a simple incompressible smoothed particle hydrodynamics method. *Computers and Mathematics With Applications*, **2021**, 81, 772-785	2.7	27
12	The Effect of Iterative Procedures on the Robustness and Fidelity of Augmented Lagrangian SPH. *Symmetry*, **2021**, 13, 472	2.7	0
11	Simulation of pandemics in real cities: enhanced and accurate digital laboratories. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2021**, 477, 20200653	2.4	2
10	Modelling of wave generation in a numerical tank by SPH method. *Journal of Ocean Engineering and Marine Energy*, **2020**, 6, 121-136	1.5	6
9	Development of computationally efficient augmented Lagrangian SPH for incompressible flows and its quantitative comparison with WCSPH simulating flow past a circular cylinder. *International Journal for Numerical Methods in Engineering*, **2020**, 121, 4187-4207	2.4	6
8	A Numerical study on the hydrodynamic performance of an immersed foil: Uncertainty quantification of RANS and SPH methods. *Computers and Fluids*, **2019**, 191, 104248	2.8	5
7	Dielectrophoretic interaction of circular particles in a uniform electric field. *European Journal of Mechanics, B/Fluids*, **2019**, 78, 194-202	2.4	2
6	Investigation of Wave Characteristics in Oscillatory Motion of Partially Filled Rectangular Tanks. *Journal of Fluids Engineering, Transactions of the ASME*, **2018**, 140,	2.1	18
5	The effect of normal electric field on the evolution of immiscible Rayleigh-Taylor instability. *Theoretical and Computational Fluid Dynamics*, **2016**, 30, 469-483	2.3	4
4	An incompressible smoothed particle hydrodynamics method for the motion of rigid bodies in fluids. *Journal of Computational Physics*, **2015**, 297, 207-220	4.1	42
3	A numerical investigation into the correction algorithms for SPH method in modeling violent free surface flows. *International Journal of Mechanical Sciences*, **2014**, 79, 56-65	5.5	44
2	Investigation of 2D nonlinear free surface flows by SPH method **2011**, 95-100		1
1	Düzenli Dalgalar Üreten Bir Sayısal Dalga Tankının SPH Yöntemi ile Modellenmesi. *Uludağ University Journal of the Faculty of Engineering*, 551-570	0.1	0