

# Murat Ozbulut

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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