

# Shaswat Saincher

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/515269/publications.pdf>

Version: 2024-02-01

12  
papers

144  
citations

1162889

8  
h-index

1199470

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

122  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct numerical simulation of transitional and turbulent round jets: Evolution of vortical structures and turbulence budget. <i>Physics of Fluids</i> , 2019, 31, 065105.	1.6	28
2	Influence of wave breaking on the hydrodynamics of wave energy converters: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 58, 704-717.	8.2	23
3	A Redistribution-Based Volume-Preserving PLIC-VOF Technique. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2015, 67, 338-362.	0.6	19
4	Design of a Numerical Wave Tank and Wave Flume for Low Steepness Waves in Deep and Intermediate Water. <i>Procedia Engineering</i> , 2015, 116, 221-228.	1.2	14
5	A high-resolution Navier–Stokes solver for direct numerical simulation of free shear flow. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2018, 74, 840-860.	0.6	11
6	Experimental investigation of hydrodynamic loading induced by regular, steep non-breaking and breaking focused waves on a fixed and moving cylinder. <i>European Journal of Mechanics, B/Fluids</i> , 2022, 93, 42-64.	1.2	11
7	On wave damping occurring during source-based generation of steep waves in deep and near-shallow water. <i>Ocean Engineering</i> , 2017, 135, 98-116.	1.9	10
8	A Comparative Study on the Nonlinear Interaction Between a Focusing Wave and Cylinder Using State-of-the-art Solvers: Part A. <i>International Journal of Offshore and Polar Engineering</i> , 2021, 31, 1-10.	0.3	10
9	A Comparative Study on the Nonlinear Interaction Between a Focusing Wave and Cylinder Using State-of-the-art Solvers: Part B. <i>International Journal of Offshore and Polar Engineering</i> , 2021, 31, 11-18.	0.3	7
10	Direct numerical simulation of forced turbulent round jet: Effect of flow confinement and varicose excitation. <i>Physics of Fluids</i> , 2021, 33, 075108.	1.6	6
11	An efficient operator-split CICSAM scheme for three-dimensional multiphase-flow problems on Cartesian grids. <i>Computers and Fluids</i> , 2022, , 105440.	1.3	4
12	A Parallelized Inflow-Boundary-Based Numerical Tank: Performance on Individual SMA Nodes. <i>Lecture Notes in Civil Engineering</i> , 2019, , 663-672.	0.3	1